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USAFETAC/DS-90/232



FOR

TONOPAH TEST RANGE, NV

Prepared by

OL-A, USAFETAC ASHEVILLE, NORTH CAROLINA 28801-2723

OCTOBER 1990

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PROGRAM MANAGER

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- 11. SUPPLEMENTARY NOTES: EFFECTIVE JULY 1 1988, THIS PRODUCT REPLACED TWO USAFETAC DOCUMENTS FORMERLY KNOWN AS THE REVISED UNIFORM SUMMARY OF SURFACE OBSERVATIONS (RUSSWO) AND THE LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LISOCS). EXISTING RUSSWOS AND LISOCS WILL CONTINUE IN USE, BUT WILL EVENTUALLY BE BY A SOCS.
- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
- 13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
- 14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC PHENOMENA, WEATHER, SOCS, TONOPAH TEST RANGE, NEVADA, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.
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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSMO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSMOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSMO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSMO GRADUALLY EVOLVED INTO THE "RUSSMO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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*** NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS ***

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INTRODUCTION

STATION PERIOD OF RECORD.

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HOURLY OBSERVATIONS: JAN 83 - MAR 90 (AIRWAYS).

SUMMARY OF DAY DATA: AUG 82 - MAR 90 (FULL TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/ OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
С	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE DATA COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY INDIVIDUAL AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

^{*} UTC REPLACED GMT ON 1 AUGUST 1988

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PPPPPPPP		AAAAA		RRRR	RRRR	TTTTTTTTT	AAAAA		
PPPPP	PPPP	AAAA	AAAA	RRRR	RRRRRRRR TTTTTTTT			AAAAAAA	
PP	PP	AA	AA	RR	RR	TT	AA	AA	
PP	PP	AA	AA	RR	RR	TT	AA	AA	
PPPPP		AA	AA		RRRRR	ŤΤ	AA	AA	
PPPPP	PPP		AAAA	RRRR	RRRR	ΤŢ	AAAA	AAAAA	
PP			AAAAA	RR	RR	ΤΤ	AAAA	AAAAA	
PP		AA	AA	RR	RR	TT	AA	AA	
PP		AA	AA	RR	RR	₹T	AA	AA	
PP		AA	AA	RR	RR	TT	AA	AA	

A - 1 - 1

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA -- PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

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SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).
THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON
THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.
THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".O" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

A - 1 - 3

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN LIQUID FREEZ FROZEN HAIL SMOKE BLOWING HOURS TSTMS ALL FOG DUST ALL TOTAL PRECIP PRECIP &/OR PRECIP PRECIP SNOW (LST) &/OR OBST NO. OF HAZE SAND TO VSN OBS 00-02 .9 3.3 4.4 3.1 .4 7.9 687 03-05 .1 3.1 4.8 3.4 704 1.6 8.2 5.0 .1 7.0 3.9 06-08 1.8 .3 11.1 741 09-11 1.8 4.6 6.4 2.7 .4 9.5 740 12-14 1.5 2.5 4.0 2.6 6.6 725 15-17 1.4 3.6 5.0 2.4 7.4 714 4.1 700 18-20 .6 3.6 2.1 . 1 6.4 21-23 .3 .7 3.0 3.7 1.2 4.9 695 ALL 5.0 2.7 7.8 5706 HOURS .0 1.3 .1 3.6 .1 MONTH: FEB 00-02 1.6 4.4 5.9 .8 6.9 639 03-05 .5 1.5 2.9 4.5 1.2 .5 6.2 647 06-08 5.5 677 1.0 4.4 1.5 .1 7.1 09-11 4.9 .1 675 6.2 1.0 .4 7.7 .3 1.2 4.7 .5 12-14 1.1 3.6 5.1 661 15-17 .3 .8 2.7 3.5 .5 4.0 656 .5 2.6 .9 3.7 18-20 2.2 .2 643 5.6 .9 21-23 1.9 .5 3.8 7.0 639 ALL HOURS .0 4.8 .9 .2 6.0 5237 1.2 3.6 .1

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM HOURLY OBSERVATIONS

STATIO	NUMBER:	724844		N NAME: UTC: +		TEST RAN	GE NV		PERIOD (RD: JAN 8	3 - MAR 90
HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		2.8	•••••	2.6		5.4	.9	• • • • • • • • •	• • • • • • • • • •	• • • • • • •	6.2	705
03-05		2.1		2.9		5.0	1.4		.1		6.6	714
06-08		3.0		3.4		6.3	2.4		.4		9.2	741
09-11		2.0		3.3		5.3	1.9		.4		7.6	738
12-14	.4	3.2		3.6		6.7	1.6			.3	8.6	730
15-17	.7	3.3		3.5		6.8	1.7			.6	9.0	723
18-20	.1	2.4		1.6		4.0	1.0				5.0	707
21-23	.6	2.4		1.3	.1	3.8	1.1				5.0	702
ALL												
HOURS	.2	2.7		2.8	.0	5.4	1.5		.1	.1	7.2	5760
•••••						•••••	•••••	••••	MONTH:	APR	•	••••••
00-02		1.0		1.0	••••••	2.0	.7	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	2.7	589
03-05		3.0		.7		3.7	.2				3.8	599
06-08		1.7		1.0		2.7	.6				3.3	63 0
09-11		1.6		.3		1.9	.2				2.1	630
12-14	1.3	2.4		.3		2.7					2.7	625
15-17	1.9	2.1		1.6	.2	3.9				.8	4.7	616
18-20	.5	3.2		.2		3.4				.2	3.5	597
21-23		1.7		.8		2.5	.2				2.7	592
ALL HOURS	.5	2.1		.7	.0	2.8	.2			.1	3.2	4878

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90

STATION	NUMBER:	724844		N NAME:		IESI KAN	IGE NV		MONTH:	MAY	RD: JAN 8	33 - MAR 90
HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		1.3	******	.2	•••••	1.5	.2		.2	• • • • • • •	1.8	612
03-05		1.9				1.9	.5				2.4	631
06-08		2.2		.2		2.3	.3				2.6	651
09-11		1.2		.3		1.6					1.6	644
12-14	.8	3.3			.2	3.5					3.5	627
15-17	4.3	4.0		.5		4.5					4.5	623
18-20	2.0	3.4		.5		3.9					3.9	615
21-23		1.8		.5		2.3			.3		2.6	612
ALL HOURS	.9	2.4			.0	2.7	.1		.1		2.9	5015
									MONTH:	JUN		
00-02	.9	1.6			• • • • • • •	1.6	•••••	•••••		• • • • • • •	1.6	546
03-05		.7				.7					.7	583
06-08		.2				.2					.2	623
09-11	.3	.3				.3					.3	624
12-14	2.4	1.8				1.8				.2	1.9	618
15-17	4.3	3.4				3.4					3.4	611
18-20	1.5	3.2				3.2					3.2	586
21-23	1.0	1.5				1.5					1.5	582
ALL HOURS	1.3	1.6		••••		1.6			••••	.0	1.6	4773

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUL HOURS ! TSTMS LIQUID FREEZ FROZEN HAIL ALL FOG SMOKE BLOWING DUST TOTAL ALL PRECIP PRECIP PRECIP PRECIP &/OR &/OR OBST (LST) SNOW NO. OF HAZE SAND TO VSN OBS 1.7 1.7 4.0 1.7 00-02 528 .9 03-05 .9 .9 587 06-08 1.1 .9 .9 .9 646 639 09-11 1.4 1.4 1.4 1.4 2.0 12-14 2.2 2.0 2.0 636 15-17 5.8 3.5 3.5 3.5 635 4.1 4.1 4.1 592 18-20 8.4 21-23 3.3 2.6 2.6 2.6 584 HOURS 2.1 2.1 4847 MONTH: AUG 1.9 1.9 00-02 1.9 .2 2.1 581 2.2 632 03-05 .6 1.6 1.6 .6 06-08 .6 .3 .3 .2 .5 650 1.9 648 09-11 .8 1.9 1.9 650 12-14 3.2 3.2 .2 3.4 4.6 15-17 6.6 4.8 4.8 4.8 650 10.1 5.2 593 18-20 5.1 5.1 .2 4.5 584 21-23 4.3 .2 4.6 4.3 ALL 3.7 2.8 3.0 4988 HOURS

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90

			LST TO	UTC: +	В				MONTH:	SEP		
HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.3	.3			• • • • • • •	.3	•••••	.7	• • • • • • • • •	•••••	1.0	573
03-05	1.3	1.1				1.1		.7			1.8	615
06-08	.2	.3				.3					.3	627
09-11	.5	1.0				1.0					1.0	612
12-14	1.0	1.1				1.1					1.1	625
15-17	.3	2.0				2.0	.2				2.1	612
18-20	2.3	2.6				2.6	.4	.5			3.5	571
21-23	.7	.7				.7		.2			.9	567
ALL HOURS	.8	1.1			•••••	1.1	.1	.2		•••••	1.5	4802
									MONTH:	OCT		
00-02		1.4		.2		1.6					1.6	572
03-05	.3	1.5		.3		1.8					1.8	607
06-08	.2	1.4		.8		2.2					2.2	649
09-11	.8	1.8		.5		2.3					2.3	607
12-14	.5	1.3		.5	.2	1.9					1.9	626
15-17	2.9	3.3		.3		3.6	.2				3.8	611
18-20	1.9	2.6				2.6					2.6	573
21-23	.3	2.1				2.1					2.1	573
ALL HOURS	.9	1.9		.3	.0	2.3	.0				2.3	4818

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8 MONTH: NOV FREEZ FROZEN HOURS | LIQUID ALL TSTMS HAIL FOG SMOKE BLOWING DUST ALL TOTAL PRECIP (LST) PRECIP PRECIP PRECIP &/OR SNOW &/OR OBST NO. OF HAZE SAND TO VSN OBS 00-02 .3 3.1 1.4 4.4 1.5 6.0 585 03-05 .7 3.0 1.9 4.9 3.0 7.9 594 1.9 5.4 3.5 4.0 627 06-08 9.4 09-11 1.9 2.1 .5 4.0 1.6 6.0 630 12-14 .3 1.9 1.0 2.9 1.0 .5 4.3 630 15-17 1.1 2.9 3.5 1.8 .6 620 .3 .5 .8 2.4 591 18-20 1.4 1.0 3.6 21-23 .3 1.9 .2 2.1 1.5 585 ALL HOURS .2 2.0 1.5 3.5 1.8 . 1 5.4 4862 MONTH: DEC .3 00-02 .2 .8 4.0 4.8 2.3 7.5 603 03-05 .3 3.4 5.1 2.5 .2 7.7 610 1.6 9.2 1.5 6.1 3.1 651 06-08 4.6 7.2 649 09-11 .8 3.7 4.5 2.8 12-14 1.6 2.5 4.1 1.7 5.8 634 15-17 .8 3.2 4.0 1.9 .2 6.1 623 .7 3.6 603 4.3 1.7 6.0 18-20 21-23 1.0 4.3 5.3 2.7 8.0 600 ALL 4973 3.7 4.8 .0 7.2 HOURS .1 1.1 2.3 .1

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: \pm 8

PERIOD OF RECORD: JAN 83 - MAR 90 HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.0	1.3	.1	3.6	• • • • • •	5.0	2.7	•••••	.1		7.8	5706
FEB	.1	1.2		3.6	.0	4.8	.9		.2		6.0	5237
MAR	.2	2.7		2.8	.0	5.4	1.5		.1	.1	7.2	5760
APR	.5	2.1		.7	.0	2.8	.2			.1	3.2	4878
MAY	.9	2.4		.3	.0	2.7	.1		.1		2.9	5015
JUN	1.3	1.6				1.6				.0	1.6	4773
JUL	3.4	2.1				2.1					2.1	4847
AUG	3.7	2.8				2.8	.2				3.0	4988
SEP	.8	1.1				1.1	.1	.2			1.5	4802
ост	.9	1.9		.3	.0	2.3	.0				2.3	4818
NOV	.2	2.0		1.5		3.5	1.8		.1		5.4	4862
DEC	.1	1.1		3.7		4.8	2.3	.0	.1		7.2	4973
ANNUAL	1.0	1.9	.0	1.4	.0	3.3	.9	.0	.1	.0	4.3	60659

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM SUMMARY OF DAY DATA

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV

PERIOD OF RECORD: 8208-9003

LST TO UTC: +08

STATION	NUMBER:	724844	STATION LST TO U	NAME: TONG TC: +08	PAH TEST	RANGE NV			PERIOD OF MONTH: AL		8208-9003 S: ALL	•
MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.4	8.1	1.2	14.2		17.4	11.7	• • • • • • • •	2.0	• • • • • • •	20.6	247
FEB	2.2	12.4		18.6	1.3	27.0	5.3		1.8		27.4	226
MAR	3.2	17.8		17.8	.4	28.3	7.3		.8		28.7	247
APR	5.2	17.6		8.1	1.0	21.0	4.3			.5	21.9	210
MAY	8.3	18.9		2.3	.5	20.3	.5		.9		20.7	217
JUN	11.9	21.9			.5	21.9				.5	21.9	210
JOT	17.5	20.3				20.3	.5				20.3	217
AUG	22.7	27.5			1.3	27.5	2.1				27.5	233
SEP	6.7	16.3		1.7	.8	16.3	.8	1.3			17.5	240
ост	3.2	12.1		4.8	.4	13.3	.8				13.3	248
NOV	1.3	9.6		11.7		17.9	8.3		.8		19.2	240
DEC	.8	6.5		16.9		20.2	11.3	.4	1.2		22.6	248
ANNUAL	6.8	15.5	.1	8.2	.5	20.9	4.6	.1	.6	.1	21.8	2783

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MAR APR MAY JAN FEB HOURS JUN JUL AUG SEP OCT NOV (LST) 00-02 .9 4.0 .3 .3 .2 .7 03-05 .5 1.4 .6 1.3 .3 .3 06-08 1.1 .6 .2 .2 09-11 .3 .3 1.4 .8 .5 .8 12-14 .4 1.3 .8 2.4 2.2 4.6 1.0 .5 .3 15-17 .3 .7 1.9 4.3 4.3 .3 5.8 2.9 6.6 .5 18-20 .1 2.0 1.5 8.4 10.1 2.3 1.9 .3 21-23 .3 1.0 3.3 .6 4.6 .7 .3 .3 ALL HOURS .2 .5 .9 1.3 3.4 3.7 .8 .9 .2 . 1 TOTAL 5706 5760 OBS | 5237 4878 5015 4773

4847

4988

4802

4818

4862

4973

OPERATING LOCATION "A"

GE 1/2 MILES

TOTAL OBS

948

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

USAFETAC, ASHEVILLE NC STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN HOURS: ALL CALM VARIABLE 270 - 019 020 - 109 110 - 199 200 - 269 NO OF OBS PHENOMENA 100.0 TSTMS 3 1.4 8.2 65.8 8.2 73 LIQUID 16.4 PRECIP 100.0 FREEZING PRECIP 22.9 27.8 FROZEN 19.0 25.9 4.4 205 PRECIP 15.7 FOG 34.0 14.4 31.4 4.6 153 FOG WITH VIS 33.3 13.2 15.5 129 GE 1/2 MILES 2299 1189 253 441 5706 TOTAL OBS | 1524 MONTH: FEB HOURS: ALL 100.0 TSTMS 67 4.5 6.0 73.1 14.9 LIQUID 1.5 PRECIP FREEZING PRECIP 5.8 29.5 4.7 190 FROZEN 13.2 46.8 PRECIP 4.2 8.3 75.0 8.3 48 FOG WITH VIS 4.7 7.0 74.4 9.3 43 4.7

A - 5 - 1

242

Z263

1243

541

5237

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844	STATION NAM		EST RANGE NV	([D: JAN 83 - MAR 90 URS: ALL
PHENOMENA	CALM	VARIABLE	270 - 019	020 - 109	110 - 199	200 - 269	NO OF OBS
TSTMS			30.8	38.5	7.7	23.1	13
LIQUID PRECIP	14.9		18.2	5.2	53.9	7.8	154
FREEZING PRECIP	i E						
FROZEN PRECIP	6.8		54.3	9.9	21.6	7.4	162
FOG	24.1		37.9	3.4	29.9	4.6	87
FOG WITH VIS GE 1/2 MILES			39.3			3.6	84
TOTAL OBS	830	0	2466	290	1487	687	0 5760
•••••	•••••		••••••	••••••			
							JRS: ALL
TSTMS			25.0		25.0	50.0	24
LIQUID PRECIP	6.9		32.4	5.9	42.2	12.7	102
FREEZING PRECIP							
FROZEN PRECIP	5.3		68.4	7.9	5.3	13.2	38
FOG			63.6	9.1	27.3		11
FOG WITH VIS GE 1/2 MILES			60.0	10.0	30.0		10
TOTAL OBS	588	0	2060	239	1272	718	0 4877

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA

STATION NUMBE	R: 724844	STATION NAM LST TO UTC:					: JAN 83 - MAR 90 RS: ALL
PHENOMENA	CALM	VARIABLE		020 - 109		200 - 269	NO OF OBS
TSTMS			47.7	6.8	22.7	22.7	44
LIQUID PRECIP	5.0		54.5	7.4	23.1	9.9	121
FREEZING PRECIP							
FROZEN PRECIP			53.8		30.8	15.4	13
FOG	100.0						6
FOG WITH VIS GE 1/2 MILES	100.0						3
TOTAL OBS	575	0	2163	278	1211	788	0 5015
						NOH NUL : HTNOM	RS: ALL
TSTMS	1.6	•••••	38.1	14.3	34.9	MONTH: JUN HOU	RS: ALL 63
LIQUID			38.1	14.3	34.9	11.1	
LIQUID PRECIP FREEZING	1.6	••••••	38.1	14.3	34.9	11.1	63
TSTMS LIQUID PRECIP FREEZING PRECIP FROZEN PRECIP	1.6	•••••••••••••••••••••••••••••••••••••••	38.1	14.3	34.9	11.1	63
LIQUID PRECIP FREEZING PRECIP FROZEN	1.6	••••••	38.1	14.3	34.9	11.1	63
LIQUID PRECIP FREEZING PRECIP FROZEN PRECIP	1.6	•••••••	38.1	14.3	34.9	11.1	63

FOG WITH VIS

TOTAL OBS

GE 1/2 MILES

12.5

850

0

- 1

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PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUL HOURS: ALL 270 - 019 020 - 109 110 - 199 200 - 269 VARIABLE PHENOMENA CALM NO OF OBS 31.5 7.9 22.4 20.6 17.6 **TSTMS** 165 31.1 LIQUID 6.8 24.3 20.4 17.5 103 PRECIP FREEZING PRECIP FROZEN PRECIP FOG FOG WITH VIS GE 1/2 MILES 954 334 1846 1083 4847 ٥ 0 TOTAL OBS 630 MONTH: AUG HOURS: ALL 4.9 35.3 15.8 15.2 28.8 184 TSTMS 25.4 LIQUID 9.2 12.0 34.5 19.0 142 PRECIP **FREEZING** PRECIP **FROZEN** PRECIP FOG 11.1 33.3 44.4 11.1

25.0

762

A - 5 - 4

303

50.0

2079

12.5

994

0

8

4988

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OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA USAFETAC. ASHEVILLE NC VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

USAFETAC, ASH	EVILLE NC	VER	VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS									
STATION NUMBER	R: 724844	STATION NA		EST RANGE N	•	MONTH: SEP HO	D: JAN 83 - MAR 90 JRS: ALL					
PHENOMENA	CALM	VARIABLE	270 - 019	020 - 109		200 - 269	NO OF OBS					
TSTMS	7.7		41.0	2.6		17.9	39					
LIQUID PRECIP	14.5		27.3	1.8	40.0	16.4	55					
FREEZING PRECIP												
FROZEN PRECIP												
FOG			66.7		33.3		3					
FOG WITH VIS GE 1/2 MILES	İ		66.7		33.3		3					
TOTAL OBS	912	0	1418	221	1552	699	0 4802					
						MONTH: OCT HO						
TSTMS		• • • • • • • • • • • • • •	54.5	15.9	15.9	13.5	44					
LIQUID PRECIP	2.2		57.1	12.1	25.3	3.3	91					
FREEZING PRECIP												
FROZEN PRECIP			93.8	6.3			16					
FOG	100.0						1					
FOG WITH VIS GE 1/2 MILES							1					
TOTAL OBS	936	0	1931	260	1062	629	0 4818					
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •					

OPERATING LC. (ION "A"

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA VERSUS WIND DIRECTION FROM HOURLY ORSERVATIONS

"ISAFETAC, ASHEVILLE NO VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS STATION NAME: TONOPAH TEST RANGE NV SINCION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: NOV HOURS: ALL PHENOMENA CALM VARIABLE 270 - 019 020 - 109 110 - 199 200 - 269 NO OF OBS TSTMS 16.7 33.3 16.7 33.3 12 LIQUID 22.9 15.6 6.3 44.8 10.4 96 PRECIP FREEZING PRECIP 19.2 50.7 9.6 17.8 FROZEN 2.7 73 PRECIP 50.6 20.7 6.9 18.4 FOG 3.4 87 FOG WITH VIS 43.1 26.2 9.2 18.5 3.1 65 GE 1/2 MILES 1022 TOTAL OBS 1938 204 1206 4862 MONTH: DEC HOURS: ALL TSTMS 100.0 LIQUID 40.0 56.4 3.6 55 PRECIP FREEZING PRECIP FROZEN 32.2 32.2 15.3 15.8 4.4 183 PRECIP 19.0 41.4 6.0 31.0 FOG 2.6 116 FOG WITH VIS 41.2 18.6 6.2 30.9 3.1 97 GE 1/2 MILES TOTAL OBS | 1414 2067 190 896 0 4973 406

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PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER	R: 724844	STATION NA LST TO UTC		TEST RANGE NV	•	PERIOD OF RECORD: MONTHS: ALL	JAN 83 - MAR 90
PHENOMENA	CALM	VARIABLE	270 - 019	020 - 109	110 - 199	200 - 269	NO OF OBS
TSTMS	5.2		35.3	15.1	26.8	17.6	601
LIQUID PRECIP	11.1		26.3	9.1	41.6	12.0	1135
FREEZING PRECIP					100.0		4
FROZEN PRECIP	17.0		42.5	12.8	22.3	5.3	880
FOG	33.6		20.9	8.6	32.6	4.2	521
FOG WITH VIS GE 1/2 MILES	30.9		21.9	8.8	34.1	4.3	443
TOTAL OBS	10784	0	21907	3129	16439	8399	0 60658

PPPPP	· · · · · · · · · · · · · · · · · · ·		RRRRRRRR		7777777777	88888888		
PPPPPP			RRRRRRRR		7777777777	888888888		
PP	PP	AA	AA	RR	RR	77	8B B8	
PP	PP	AA	AA	RR	RR	77		
PPPPP	PPPP	AA	AA	RRRR	RRRRR	TT	88 88 88888888	
PPPPP PP	PPP	AAAAA	AAAAA AAAAA	RRRRI RR	RRRR RR	11 11	888888888	
PP		AA	AA	RR	RR	;; ;;	88 88 88 88	
PP		AA	AA	RR	RR	TT	888888888	
PP		AA	AA	RR	RR	TT	88888888	

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PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".O" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY.
THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST
AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE
OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS
THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE
OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED
IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE
MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS
NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEARMONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN POR.

- NOTE 1. IF THE MINIMUM ANOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.
- NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.
- NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.
- NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.
- NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER	SERVICE
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES FROM SUMMARY OF DAY DATA

STATION NUMBER	: 724844		ION NAME TO UTC:		AH TEST	RANGE N		PERIOD OF RECORD: 8208-9003 MONTH: ALL HOURS: ALL					
AMOUNTS (INCHES)	JAN 	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANN
NONE	81.8	73.5	71.7	79.0	79.7	78.1	79.7	72.5	83.8	85.5	80.8	79.0	78.8
TRACE	7.7	14.2	15.0	9.0	11.1	13.3	12.0	12.7	9.2	6.0	10.4	8.9	10.7
.01	4	2.2	1.6	1.9	1.8	3.3	1.4	1.7	.8			1.2	1.3
.0205	4.5	4.9	3.6	2.9	2.8	2.4	2.8	5.2	2.5	2.4	1.7	4.4	3.3
.0610	1.6	4.0	1.2	3.8	1.8	1.0	.9		.8	.8	2.5	1.2	1.6
.1125	2.0	.9	4.0	2.4	.5	1.4	.5	4.4	1.7	3.6	2.5	4.0	2.4
.2650	2.0	.4	2.0	.5	1.4		1.4	1.3	.4	1.2	1.7	1.2	1.2
.51-1.00			.8	.5	.9	.5	.9	2.2	.8				.5
1.01-2.50	!						.5			.4	.4		.1
2.51-5.00													
5.01-10.00													
10.01-20.00	ļ												
OVER 20.00													
	! !	• • • • • • •	•••••	••••••	•••••				• • • • • • • •	•••••	•••••	• • • • • • • • •	•••••
DAYS WITH MEAS AMTS	10.5	12.4	13.4	11.9	9.2	8.6	8.3	14.8	7.1	8.5	8.8	12.1	10.5
TOTAL NO. OF OBSERVATIONS	247	226	247	210	217	210	217	229	240	248	240	248	2779

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES FROM SUMMARY OF DAY DATA

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: 8208-9003 LST TO UTC: +08 MONTH: ALL HOURS: ALL

		L	ST TO U	TC: +08					MOI	ITH: ALL	. HOURS	: ALL	
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
82 83 84 85	.60 .05 .53	.14 .14 .11	2.46 .02 .81	.43 .03 TRACE	.01 .10 TRACE	.05 .09 .15	.01 3.34 1.41	.69* 3.24 1.43 .00	1.75 .10 .09 .69	.80 .18 .12 .99	.46 .36 .37 1.19	.06 .36 1.43 .23	3.76* 7.94 7.21 6.11
86 87 88 89 90	.46 .76 .53 .03 .51	.15 .17 .22 .67 .37	.42 1.44 .03 .21 .37	.50 .32 1.37 .03	.04 1.69 .36 .96	TRACE .06 .21 .93	.05 .03 .12 .02	.67 .03 .11 .48	.06 TRACE .04 .14	.46 1.48 .02 .04	.12 1.18 .63 TRACE	.24 .35 .48 .00	3.17 7.51 4.12 3.51 1.25*
		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • • • • • • • • • • • • •		•••••	•••••	• • • • • • • •	• • • • • • •		•••••	• • • • • • • • •
LEAST	.03	.11	.02	TRACE	TRACE	TRACE	.01		TRACE	.02	TRACE	.00	3.17
LEAST	.03 .76	.11 .67	.02 2.46	TRACE	TRACE 1.69	TRACE .93	.01	.00	TRACE 1.75	.02	TRACE 1.19	.00 1.43	3.17 7.94
Ì													
GREATEST	.76	.67	2.46	1.37	1.69	.93	3.34	3.24	1.75	1.48	1.19	1.43	7.94
GREATEST	.76	.67 .25	2.46	1.37	1.69 .45	.93 .21	3.34 .71	3.24 .85	1.75 .36	1.48	1.19 .54	1.43	7.94 5.65

THE GREATEST VALUE OF 3.34 OCCURRED ON 07/84

e committee and to be an interest of the

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES FROM SUMMARY OF DAY DATA

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: 8208-9003 LST TO UTC: +08 MONTH: ALL HOURS: ALL YEAR JAN FEB MAR APR MAY JUN JUL AUG SEP NOV ANNUAL .42 .25 82 .65* .88 .38 .03 .88* .25 .03 .01 .90 1.95 83 .18 .04 .90 .01 .83 .05 .14 .22 84 85 .12 .06 .01 .03 .10 .06 1.95 .09 .27 .05 .74 .40 .55 .34 .10 .50 TRACE TRACE .12 .70 .00 1.08 . 14 1.08 .03 TRACE .06 86 .36 .06 . 15 .04 .24 .17 .12 .21 .36 .12 87 .29 .10 .45 .57 .04 .03 .02 TRACE 1.15 .47 .13 1.15 .17 .03 .51 .26 .20 88 .40 .08 .04 .02 .02 .45 .16 .51 .47 .17 89 .03 .21 .03 .01 .21 .02 TRACE .00 .45*

		• • • • • • • • • • • • • • • • • • • •				•••••	•••••					•••••	
GREATEST	.45	.47	.90	.51	. 79	.57	1.95	.83	.88	1.15	1.08	-40	1.95
TOTAL OBS	247	226	247	210	217	210	217	229	240	248	240	248	2779

THE GREATEST VALUE OF 1.95

1.95 OCCURRED ON 07/22/84

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 2 - 3

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES FROM SUMMARY OF DAY DATA

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: 8208-9003 STATION NUMBER: 724844 LST TO UTC: +08 MONTH: ALL HOURS: ALL MAR APR MAY JUN JUL AUG AMOUNTS ANN JAN (INCHES) 82.6 91.9 97.7 100.0 100.0 100.0 98.3 95.2 87.5 82.7 91.7 81.9 NONE 85.4 9.3 1.7 4.4 8.8 11.9 6.2 1.4 5.5 TRACE 7.3 13.4 0.1-0.4 2.4 1.3 .8 1.0 .8 4.0 .9 1.2 1.0 .9 .8 1.1 0.5-1.4 2.4 4.4 .4 .3 1.5-2.4 1.6 1.6 .4 .2 .4 2.5-3.4 1.6 .4 .4 .1 3.5-4.4 .4 .1 4.5-6.4 .1 6.5-10.4 .0 10.5-15.4 15.5-25.4 25.5-50.4 OVER 50.4 DAYS WITH 3.8 8.1 2.8 MEAS AMTS 7.3 6.2 4.0 1.9 .9 TOTAL NO. OF 217 210 217 233 240 240 248 2783 OBSERVATIONS 247 226 247 210 248

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES FROM SUMMARY OF DAY DATA

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: 8208-9003 MONTH: ALL HOURS: ALL

		•	.00 0.						110	***** ALL	HOOKS	. ALL	
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANNUAL
82 83 84 85	4.2 .5 3.8	.5 1.4 1.0	9.0 TRACE 1.7	1.3 TRACE TRACE	TRACE .0 .0	.0 .0 .0	.0 .0 .0	*0. 0. 0.	TRACE .0 .0 TRACE	.0 .0 TRACE 1.0	4.0 3.6 2.0 11.8	TRACE .4 10.2 .9	4.0* 19.0 14.1 20.2
86 87 88 89 90	.0 8.7 5.1 .3 4.6	TRACE 1.0 TRACE 9.3 2.3	1.2 3.6 TRACE 2.0 3.0	.0 .9 .1 .3	.0 TRACE 1.0 .5	.0	.0 .0 .0	.0	TRACE .0 .0 .0	TRACE TRACE .0 TRACE	.0 TRACE 4.6 .0	2.1 3.3 5.0 .0	3.3 17.5 15.8 12.4 9.9*
LEAST	.0 8.7	TRACE 9.3	TRACE	0	.0 1.0	 .0 .0	o .0	.0.	.0 TRACE	.0	 .0 11.8	.0 10.2	3.3
MEAN !	3.4	1.9	2.6	.4	.2	.0	.0	.0	TRACE	.1	3.2	2.7	14.6
MEDIAN	4.0	1.0	1.9	.1	TRACE	.0	.0	.0	.0	TRACE	2.8	1.5	15.8
SD	2.995	3.070	2.897	.522	. 393	.000	.000	.000	.000	.354	3.944	3.492	5.677
TOTAL OBS	247	226	247	210	217	210	217	233	240	248	240	248	2783
	THE COE	ATECT VA	LUE OF	11	9 000	100ED ON	11/85				- · - 		

THE GREATEST VALUE OF 11.8 OCCURRED ON 11/85

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES FROM SUMMARY OF DAY DATA

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: 8208-9003 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
82				• • • • • • • •		• • • • • • • •		.0*	TRACE	.0	4.0	TRACE	4.0*
83	1.3	.5	9.0	1.3	TRACE	.0	.0	.0	.0	.0	2.6	.4	9.0
84	i .5	.6	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	2.0	4.0	4.0
85	2.8	1.0	1.6	TRACE	.0	.0	.0	.0	TRACE	1.0	10.8	.9	10.8
86	.0	TRACE	1.2	.0	.0	.0	.0	.0	TRACE	TRACE	.0	2.1	2.1
87	3.0	.9	2.0	.9	TRACE	.0	.0	.0	.0	TRACE	TRACE	1.3	3.0
88	4.0	TRACE	TRACE	.1	1.0	.0	.0	.0	.0	.0	4.5	1.6	4.5
89	.3	7.1	2.0	.3	.5	.0	.0	.0	.0	TRACE	.0	.0	7.1
90	4.5	1.0	2.0										4.5*

GREATEST	4.5	7.1	9.0	1.3	1.0	.0	.0	.0	TRACE	1.0	10.8	4.0	10.8
TOTAL OBS				• • • • • • • • • • • • • • • • • • • •									
TOTAL OBS													

THE GREATEST VALUE OF 10.8 OCCURRED ON 11/11/85

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES FROM SUMMARY OF DAY DATA

STATION NUMBER	: 724844		ION NAME TO UTC:		AH TEST	RANGE N	٧			OD OF RE	CORD: 8	208-9003 All	
AMOUNTS (1NCHES)	JAN 1	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANN
NONE	42.1	68.1	93.1	98.6	99.5	100.0	100.0	100.0	100.0	99.6	88.3	75.8	88.3
TRACE	1 15.8	18.1	3.6	1.4							3.3	5.2	4.1
1	23.9	6.6	1.6		.5					.4	1.3	3.6	3.3
2	l . 6.5	4.0	1.2								.4	7.3	1.7
3	l . 5.7		.4								2.1	4.4	1.1
4-6	l . 6.1	2.7									3.3	2.8	1.3
7-12		.4									1.3	.8	.2
13-24	ĺ												
25-36													
37-48	<u> </u>												
49-60	<u> </u>												
61-120													
OVER 120													
	! !			•••••	• • • • • •	•••••		• • • • • • • •	• • • • • • • • •		• • • • • • • •		
DAYS WITH MEAS AMTS	l 42.1	13.7	3.2		.5					.4	8.3	19.0	7.6
TOTAL NO. OF OBSERVATIONS	247	226	247	210	217	210	217	233	240	248	240	248	2783

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES FROM SUMMARY OF DAY DATA

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STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: 8208-9003 LST TO UTC: +08 MONTH: ALL HOURS: ALL YEAR JAN FEB MAR MAY JUN JUL AUG SEP OCT NOV DEC ANNUAL 83 84 85 0* TRACE TRACE TRACE Đ TRACE 5 6 7 3* 88 89 90 TRACE TRACE Ō Õ

Ó

TRACE

GREATEST									
TOTAL OBS			217		240	248	240	248	2783

THE GREATEST VALUE OF

OCCURRED ON 12/20/84

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 4 - 2

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR FROM SUMMARY OF DAY DATA

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV

PERIOD OF RECORD: 8208-9003 SNOW-YEAR: 1 AUG - 31 JUL

						· · · · · · · · · · · · · · · · · · ·	
SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH	••••
82 - 83 83 - 84 84 - 85 85 - 86 86 - 87 87 - 88 88 - 89	SEP 29 NOV 19 OCT 02 SEP 11 SEP 25 OCT 13 NOV 14	NOV 30 NOV 19 NOV 24 OCT 21 DEC 20 DEC 16 NOV 14	DEC 01 NOV 25 NOV 25 OCT 22 DEC 20 DEC 17	MAY 10 APR 27 APR 25 MAR 17 MAY 21 MAY 04	APR 30 FEB 16 MAR 28 MAR 17 APR 03 MAY 05	MAR 20 FEB 10 MAR 03 NOV 26 MAR 22 MAY 06	••••
89 - 90	OCT 25	JAN 16	NOV 15 JAN 17	MAY 11 MAR 28	MAY 11 MAR 11	MAR 26 MAR 11	
MEDIAN-DATE	OCT 07	NOV 27	NOV 28	MAY 01	MAR 31	MAR 15	

PPPPP	DDD	ΔΔΔ	AAA	RRRR	DDDD	1111111111	ccc	rcr
PPPPP			AAAA		RRRRR	111111111	cccc	
PP	PP	AA	AA	RR	RR	ΤΤ	CC	CC
PP	PP	AA	AA	RR	RR	TT	CC	
PPPPP	PPPP	AA	AA	RRRR	RRRRR	TT	CC	
PPPPP	PPP	AAAAA	AAAAA	RRRR	RRRR	ΤŢ	CC	
PP		AAAAA	AAAAA	RR	RR	TT	CC	
PP		AA	AA	RR	RR	TT	CC	CC
PP		AA	AA	RR	RR	TT	CCCC	CCCC
PP		AA	AA	RR	RR	TT	CCC	CCC

C - 1 - 1

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS -- PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.
THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE
THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.
- ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS)
THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET.
IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED:
WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST
BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

C - 1 - 2

PEAK SURFACE WINDS IN KNOTS FROM SUMMARY OF DAY DATA

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: 8208-9003 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANN
82 83 84 85		28/ 39	15/ 48 31/ 46 31/ 42	29/ 40	17/ 38	16/ 41 20/ 36 05/ 49	01/ 34	22/ 32 17/ 32	19/ 40	34/ 29 17/ 40	19/ 38 18/ 36 18/ 45 20/ 39	19/ 52 18/ 48 18/ 47 31/ 27	19/*52 18/ 50 18/ 47 33/ 49
86 87 88 89 90	33/ 39 21/ 34	22/ 30 32/ 39 20/ 37	34/ 33 16/ 42 01/ 54 22/ 50 30/ 42	32/ 46 18/ 40	30/ 34 31/ 49	15/ 42 17/ 42	19/ 35 35/ 36	31/ 40 19/ 40	16/ 33	36/ 44 08/ 29	16/ 41 20/ 55		28/ 47 32/ 46 20/ 55 22/ 50 17/*46
GREATEST	16/ 42	18/ 50	01/ 54	33/ 49	31/ 49	05/ 49	19/ 46	26/ 45	18/ 47	36/ 44	20/ 55	19/ 52	20/ 55
TOTAL OBS	247	226	247	210	216	210	216	231	240	246	240	248	2777
		•••••	••••••										

THE PEAK WIND OF 55 FROM 20/ OCCURRED ON 11/23/88

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH STHE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

c - 2 - 1

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS FROM SUMMARY OF DAY DATA

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV

LST TO UTC: +08

PERIOD OF RECORD: 8208-9003 MONTH: ALL HOURS: ALL

			200		•					HOM I II .	ALL	nooks.	ALL	
MONTH	CALM-4	5-9	10-14	15-19	WIND 20-24	SPEEDS 25-29	IN KNO 30-34	TS 35-39	40-49	50-64	GE 65		MEDIAN WIND	TOTAL OBS
JAN	.4	17.4	31.2	18.2	13.4	7.7	7.7	2.8	1.2	.0	.0	16.9	15.0	247
FEB	.9	11.1	21.2	21.2	17.3	13.3	7.5	5.3	1.8	.4	.0	19.6	18.0	226
MAR	.0	.4	12.6	21.5	22.3	21.9	7.7	8.1	4.9	.8	.0	23.9	23.0	247
APR	.0	1.0	7.1	17.1	29.0	23.8	9.5	8.1	4.3	.0	.0	24.4	24.0	210
MAY	.0	.5	5.1	20.4	23.6	22.7	18.1	5.6	4.2	.0	.0	25.0	25.0	216
JUN [0	.0	2.9	21.9	32.9	21.0	14.8	4.3	2.4	.0	.0	24.2	23.5	210
JUL	.0	.0	2.3	21.8	32.9	23.1	13.4	4.6	1.9	.0	.0	24.1	23.5	216
AUG	.0	.4	8.2	27.3	30.7	20.3	8.2	3.5	1.3	.0	.0	22.4	22.0	231
SEP	0	2.9	14.2	30.8	28.3	14.6	6.7	1.3	1.3	.0	.0	20.3	20.0	240
ост ј	4	10.2	25.6	30.9	16.3	11.4	2.4	1.2	1.6	.0	.0	17.6	16.0	246
NOV	0	12.1	27.5	21.3	11.7	12.9	6.7	5.0	2.5	.4	.0	18.9	17.0	240
DEC	1.6	19.8	27.4	18.1	11.3	9.7	7.7	1.6	2.4	.4	.0	17.2	15.0	248
ANNUAL	.3	6.6	16.0	22.6	22.1	16.6	9.0	4.2	2.4	.2	.0	21.1	20.0	2777

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N		NOPAH T	EST RAN	GE NV		_	D OF RE		JAN 83 - S: 00-02		10
DIRECTION (DEGREES)	1-4			15-19	WIND S	PEED IN					GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.3	.1	.1	.1			• • • • •	•••••	• • • • • • •		• • • • • • •	1.7	4.7	3.0
020-040	.9	.3			.1							1.3	5.7	4.0
050-070	.4	.1										.6	2.3	1.0
(E) 080-100	1.2	.7		.1								2.0	4.7	4.0
110-130	1.3	.7	.9	.4								3.3	7.8	8.0
140-160	4.4	2.3	.9	.4								8.0	5.5	4.0
(S) 170-190	3.8	2.0	.3	.4	.1	.1						6.8	5.9	4.0
200-220	1.3	.4	.4	.1		. 1						2.5	6.8	4.0
230-250	2.3	.4										2.8	2.7	2.0
(W) 260-280	4.2	6.1	2.0	.3								12.7	6.5	6.0
290-310	5.2	8.7	4.9	1.9	.9	.1						21.8	8.6	8.0
320-340	3.2	2.5	1.2	.3		.1						7.3	6.4	5.0
VARIABLE	<u>.</u>	• • • • • •				• • • • • • •	• • • • •		• • • • • • • • • • • • • • • • • • •		· · · · · · ·	•••••	• • • • • •	
CALM	11111111	/////	1111111	///////	//////	///////	/////	///////	///////	//////	///////	29.1	/////	//////
TOTALS	29.5	24.3	10.7	4.0	1.1	.4						100.0	4.8	5.0
			TO	TAL NUM	IBER OF	OBSERV/	TIONS	687						

c - 4 - 1

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN HOURS: 03-05 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL DIRECTION MEAN MEDIAN % WIND (DEGREES) WIND 1.1 .3 1.4 (N) 350-010 3.7 7.9 8.0 020-040 1.0 1.1 2.1 4.3 5.0 050-070 .3 .3 4.5 4.5 .6 (E) 080-100 .4 .1 .1 .7 6.0 4.0 110-130 .9 .9 .4 2.3 7.9 7.0 .1 7.2 140-160 2.8 2.6 1.3 .6 6.9 6.0 (S) 170-190 1.3 1.0 1.1 .3 .1 4.3 9.8 6.5 200-220 1.3 1.0 .1 2.4 5.1 4.0 4.7 3.7 230-250 3.4 1.3 4.0 12.2 5.7 (W) 260-280 6.1 4.0 2.0 .1 4.5 290-310 7.2 6.5 3.4 19.6 7.7 6.0 1.6 .7 .1 320-340 2.7 2.8 8.1 7.2 6.0 2.0 .6 VARIABLE CALM 100.0 TOTALS 28.5 22.0 12.2 2.9 .5 4.6 5.5 1.6 TOTAL NUMBER OF OBSERVATIONS 704

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN HOURS: 06-08

						SPEED IN								
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MED I AN WIND
(N) 350-010	1.8	.9	•••••	•••••	•••••			• • • • • • •	• • • • • •	•••••	• • • • • • •	2.7	4.0	3.5
020-040	.8	1.2										2.0	5.2	6.0
050-070	1.1											1.1	1.9	2.0
(E) 080-100	.8	.3										1.1	3.4	3.0
110-130	1.3	1.3	.4	.1								3.2	6.2	5.5
140-160	2.2	1.6	1.1	.1								5.0	6.6	5.0
(S) 170-190	1.3	.9	.8	.3	.7	.1						4.2	9.9	7.0
200-220	2.6	.1	.1									2.8	3.2	2.0
230-250	3.1	.1	.1									3.4	3.2	3.0
(W) 260-280	6.7	5.4	3.1	.5								15.8	6.1	5.0
290-310	6.2	5.4	5.5	1.8	.3	.4						19.6	8.4	7.0
320-340	3.2	2.0	.8	.5								6.6	6.3	5.0
VARIABLE	<u> </u>			• • • • • • •	•••••	• • • • • • •	• • • • • •	• • • • • • • •	• • • • • • •	•••••	•••••	•••••	• • • • • •	•••••
CALM	///////	//////	//////	//////	//////	'//////	//////	///////	///////	//////	///////	32.5	/////	//////
TOTALS	31.1	19.2	11.9	3.3	1.0	.5						100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 741

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PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN HOURS: 09-11 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION KAIDEM MASM JATOT (DEGREES) % WIND WIND 1.9 (N) 350-010 3.9 .3 6.1 4.0 3.0 020-040 1.9 .5 2.4 3.2 2.5 050-070 1.5 1.5 2.4 2.0 (E) 080-100 .1 .5 3.7 2.4 3.1 3.0 110-130 4.1 3.0 .5 . 1 7.7 4.9 4.0 .9 140-160 3.4 2.6 .7 8.0 7.0 5.0 (S) 170-190 .7 .4 .5 .5 2.2 8.1 7.5 200-220 .7 .3 8.8 . 1 .1 1.2 4.0 230-250 (W) 260-280 .4 1.6 .4 .1 2.6 11.7 12.0 290-310 4.6 5.3 3.6 17.2 10.8 10.0 2.6 1.1 320-340 4.2 3.4 1.9 .3 14.2 8.8 7.0 4.3 . 1 VARIABLE CALM TOTALS 25.8 17.9 12.6 100.0 7.2 2.3 .1 5.1 6.0

TOTAL NUMBER OF OBSERVATIONS 740

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PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN HOURS: 12-14

WIND SPEED IN KNOTS

DIRECTION | 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN (DEGREES) | % WIND WIND

					WIND S	PEED IN	KNOTS							
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.2	1.8	.3	.7			• • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	5.0	6.1	5.0
020-040	1.5	1.1	.3									2.9	4.8	4.0
050-070	1.4	.1										1.5	2.6	3.0
(E) 080-100	3.4	.4										3.9	2.7	2.0
110-130	5.5	3.7	1.5	.1								10.9	5.2	4.0
140-160	2.9	2.5	1.4	.4	.1	.3						7.6	7.5	5.0
(S) 170-190	.6	.8	3.0	1.1	1.2	.1						6.9	13.2	12.0
200-220	.4	.1	.4		.3							1.2	10.7	12.0
230-250	.1	.1										.3	5.0	5.0
(W) 260-280	.1	.7	1.4	1.2								3.4	12.3	13.0
290-310	1.9	7.6	5.7	3.6	1.9							20.7	10.8	10.0
320-340	2.2	5.0	3.2	1.7	1.2	.4						13.7	10.5	9.0
VARIABLE			• • • • • • •										• • • • • •	
CALM	///////	//////	//////	//////	//////	1111111	,,,,,,,	1111111	,,,,,,,	1111111	1111111	22.1	/////	111111
TOTALS	22.2	23.9	17.2	8.8	4.7	.8						100.0	6.9	8.0

TOTAL NUMBER OF OBSERVATIONS 725

, we consider a sum with the sum of the form of the second (x,y) , which is the sum of the second (x,y) , which is the sum of the second (x,y)

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N		NOPAH T	EST RAN	GE NV		PER I O	D OF RE		JAN 83 S: 15-1		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29			40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	.8	7	.6	.3		• • • • • • • • • • • • • • • • • • • •	• • • • •	• • • • • • •	•••••	• • • • • • •	•••••	2.4	7.8	8.0
020-040	.3	.7	.8									1.8	8.1	9.0
050-070	.4											.4	2.3	2.0
(E) 080-100	1.5	.7										2.2	3.6	2.5
110-130	4.8	2.0	.4									7.1	4.2	4.0
140-160	5.0	4.1	2.2	.7								12.0	6.5	5.0
(S) 170-190	3.1	3.5	1.4	1.0	.6	.1						9.7	8.3	7.0
200-220	1.0	1.3	1.3	.1	1.0							4.6	10.7	10.0
230-250	1.5	.7										2.2	3.9	4.0
(W) 260-280	1.3	3.4	2.4	.7								7.7	8.4	7.0
290-310	2.8	5.7	6.7	3.5	1.1	.7						20.6	11.1	10.0
320-340	1.8	3.2	2.5	1.5	.1							9.2	9.4	9.0
VARIABLE	: !	• • • • • •		•••••		•••••	• • • • •		•••••	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • •	
CALM	,,,,,,,	//////	//////	///////	//////	///////	/////	///////	///////	///////	1111111	19.9	/////	111111
TOTALS	24.3	26.0	18.3	7.8	2.8	.8						100.0	6.7	7.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	714						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN HOURS: 18-20 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION TOTAL MEAN MEDIAN (DEGREES) % WIND WIND (N) 350-010 1.3 1.1 2.6 8.0 9.5 020-040 .7 .1 .3 1.1 5.6 4.0 050-070 .1 .1 4.0 4.0 (E) 080-100 .4 .1 .1 .7 4.6 3.0 110-130 2.0 1.7 .3 .1 .1 4.3 6.0 5.0 140-160 4.4 3.6 1.4 .1 .1 . 1 9.9 6.3 5.0 (S) 170-190 5.7 .3 5.4 .4 12.4 5.7 5.0 200-220 3.0 .1 6.7 5.0 5.4 230-250 3.4 1.4 .4 5.3 4.7 4.0 7.0 3.7 (W) 260-280 3.4 7.0 .1 14.3 7.1 3.9 5.4 6.7 1.9 290-310 1.1 19.0 10.0 320-340 9.2 10.0 .6 VARIABLE CALM 29.2 29.3 16.5 TOTALS 3.2 1.8 100.0 5.8

TOTAL NUMBER OF OBSERVATIONS 700

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: JAN HOURS: 21-23

WIND SPEED IN KNOTS

DIRECTION | 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN M

						PEED IN								
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.6	.3	.7	• • • • • •	•••••				•••••	******		1.6	8.2	7.0 \
020-040	.6		.3									.9	6.0	3.0
050-070	.3											.3	2.5	2.5
(E) 080-100	.6			.1								.7	6.2	4.0
110-130	1.7	2.3	.3	.1								4.5	5.5	6.0
140-160	6.0	3.0	1.3	.1								10.5	5.0	4.0
(S) 170-190	4.0	3.2	1.3		.3	.3						9.1	6.4	5.0
200-220	1.9	.7										2.6	3.4	3.0
230-250	2.3	1.6										3.9	4.1	4.0
(W) 260-280	3.7	6.8	3.2	.7								14.4	7.0	6.0
290-310	5.0	6.9	5.0	1.6	.6							19.1	8.5	8.0
320-340	3.0	2.4	1.6	.7								7.8	7.1	7.0
VARIABLE	! 	•••••		•••••	•••••	•••••							• • • • • •	
CALM	////////	111111	///////	//////	//////	///////	//////	///////	'//////	///////	///////	24.7	/////	//////
TOTALS	29.7	27.2	13.7	3.3	.9	.3						100.0	5.0	6.0

TOTAL NUMBER OF OBSERVATIONS 695

TOTALS

1 27.5 23.7 14.2 5.1

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN HOURS: ALL WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN DIRECTION | 1-4 (DEGREES) WIND WIND (N) 350-010 .2 1.6 .9 .6 3.2 6.0 4.0 020-040 1.0 .6 .2 .0 1.8 5.1 4.0 050-070 .7 .1 2.6 .8 2.0 .4 .0 (E) 080-100 1.4 .1 3.8 3.0 1.8 110-130 2.7 1.9 .1 .6 .1 5.5 5.5 5.0 140-160 3.9 2.8 1.3 .3 .2 8.5 . 4 5.0 . 1 (S) 170-190 2.5 2.1 1.1 .5 .4 .2 6.0 6.9 8.0 200-220 .9 .1 1.5 .3 .2 .0 6.5 4.0 3.0 230-250 2.0 .7 .1 2.8 3.8 3.0 (W) 260-280 3.2 4.1 2.4 .5 .0 10.3 7.1 6.0 5.4 9.4 9.0 290-310 4.3 6.3 2.4 1.0 .2 19.7 320-340 2.9 2.7 2.1 .2 9.0 7.0 1.0 .1 8.4 VARIABLE CALM

TOTAL NUMBER OF OBSERVATIONS 5706

.6

2.1

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100.0

5.4 6.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90

MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)	!	• • • • • •	•••••	• • • • • •	• • • • • • •	•••••	•••••	•••••	•••••	•••••	•••••	*	WIND	WIND
350-010		1.5	1.0	•••••	• • • • • • •	•••••	• • • • • •	•••••			•••••	2.6	9.2	8.0
020-040	2.6	9.2	1.0									12.8	6.6	7.0
050-070	1.5											1.5	2.7	2.0
080-100	3.6	2.1	1.0									6.7	5.4	4.0
110-130	3.1	4.1	4.1	1.5	.5							13.3	9.0	8.0
140-160	3.6	7.2	4.1	1.5	.5							16.9	8.8	8.0
170-190	.5	1.5	3.1	.5	.5							6.2	11.4	12.0
200-220		1.0	.5		.5							2.1	12.0	10.5
230-250		.5	.5									1.0	10.0	10.0
260-280		.5	2.1									2.6	10.2	10.0
290-310	1.0	2.1	2.6	3.1	1.5							10.3	13.3	12.5
320-340	1.0	2.1	.5	1.0		.5						5.1	11.0	8.5
VARIABLE		• • • • • • •	•••••		•••••	•••••	• • • • • •	•••••		•••••	•••••	• • • • • •	• • • • • •	•••••
CALM	1111111	//////	//////	//////	//////	'//////	1111111	///////	//////	'//////	'//////	19.0	/////	'/////
TOTALS	16.9	31.8	20.5	7.6	3.5	.5						100.0	7.4	8.0

TOTAL NUMBER OF OBSERVATIONS 195

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER	R: 724844		N NOITA		NOPAH 1	EST RAN	GE NV			O OF RE	CORD: HOUR	JAN 83 S: 00-0		0
DIRECTION (DEGREES)	1-4 	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIA WIND
N) 350-010	1.1	1.3	1.1	•••••	•••••	• • • • • • • •		• • • • • • •			•••••	3.4	7.0	5.5
020-040	.9											.9	2,5	2.5
050-070	.5											.5	2.0	2.0
(E) 080-100	.9											.9	2.3	2.5
110-130	3.9	2.0	.6	.2	.2							6.9	5.6	4.0
140-160	4.5	3.4	1.9	.5	.2							10.5	6.5	5.0
(s) 170-190	1.9	1.4	1.7	.9	1.1	.3						7.4	11.3	11.0
200-220	.8	.8	.8	.2	.6	.2						3.3	11.4	10.0
230-250	2.3	1.3	.2									3.8	4.3	4.0
(W) 260-280	5.0	3.4	.8	.3	.2							9.7	5.4	4.0
290-310	5.6	8.6	4.2	.9	.5							19.9	7.6	7.0
320-340	3.9	4.9	2.2	.8								11.7	7.1	6.0
VARIABLE	! !	· · · · · ·		•••••	•••••	• • • • • • • • •	•••••	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •		••••	•••••
CALM	////////	/////	///////	///////	//////	////////	/////	///////	///////	//////	////////	21.1	/////	//////
TOTALS	31.3	27.1	13.5	3.8	2.8	.5						100.0	5.6	6.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	639						

OPERATING LOCATION "A" USAFETAC, ASHEVILLE NC PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER	R: 724844		ATION N T TO UT		NOPAH '	TEST RAN	IGE NV		PER10 MONTH	O OF RE		JAN 83 S: 03-0		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.4	1.4	.5	.2	• • • • • •		• • • • • • •	•••••	•••••	• • • • • • •	•••••	3.4	5.8	5.0
020-040	1.1	.2										1.2	2.8	2.0
050-070	.6		.2									.8	3.8	2.0
(E) 080-100	.9	.5	.3									1.7	5.1	4.0
110-130	2.8	1.1	.8	.2	.2							4.9	6.2	4.0
140-160	2.6	3.2	1.7	.6								8.2	7.3	6.0
(S) 170-190	2.0	.9	1.1	.9	.6							5.6	9.2	8.0
200-220	 1.5		.5		.5	.5						2.9	10.7	4.0
230-250	2.2	1.2										3.4	4.1	4.0
(W) 260-280	5.6	4.0	.6	.5	.3							11.0	5.7	4.0
290-310	7.0	7.7	5.6	.9	1.2							22.4	7.9	7.0
320-340	4.5	4.2	2.3	1.1								12.1	7.0	6.0
VARIABLE	 	• • • • •	•••••		•••••		• • • • • • •	• • • • • • •		•••••				•••••
CALM	11111111	/////	//////	//////	/////	///////	///////	////////	///////	//////	///////	22.4	/////	/////
TOTALS	32.2	24.4	13.6	4.4	2.8	.5						100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 647

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N		NOPAH	TEST RAN	IGE NV			DO OF RE		JAN 83 S: 06-01		ю
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	WIND 20-24	SPEED IN 25-29	KNOTS 30-34	35-39	40-49			TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	2.7	.4	.3	.1		••••••	•••••	• • • • • • • •	•••••	•••••	•••••	3.5	4.4	2.0
020-040	.4	.1										.6	4.0	4.0
050-070	.4	.1										.6	4.0	3.0
(E) 080-100	.7	.3	.1									1.2	6.1	4.0
110-130	1.8	1.9	.4									4.1	5.5	5.0
140-160	2.2	1.8	.9	.3								5.2	6.1	6.0
(S) 170-190	2.8	1.0	1.0	.3	.4	.4						6.1	8.5	6.0
200-220	1.0	.7	.1	.7	.3	.1						3.1	10.9	8.0
230-250	1.8	.6	.1									2.5	3.7	3.0
(W) 260-280	4.9	2.7	.6	.7	.3							9.2	5.9	4.0
290-310	8.7	6.4	6.8	1.6	.9			.1				24.5	8.2	7.0
320-340	5.5	4.4	2.8	.6								13.3	6.9	6.0
VARIABLE	: !	• • • • •	•••••	• • • • • •	•••••	••••••	•••••	•••••	•••••	•••••	•••••	•••••	• • • • • •	· • • • • • • •
CALM	////////	/////	//////	//////	/////	///////	//////	///////	///////	((((()	,,,,,,,	26.1	/////	'/////
TOTALS	32.9	20.4	13.1	4.3	1.9	.5		.1				100.0	5.2	5.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	677						

- 77

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 NONTH: FEB HOURS: 09-11

											II COM		•	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.4	2.2	1.5	.4	.9	•••••	• • • • • •	•••••	•••••	•••••	• • • • • • •	9.5	7.3	5.0
020-040	2.2	.4		.4								3.1	4.7	2.0
050-070	.6	.1										.7	2.4	2.0
(E) 080-100	1.0	.1	.1									1.3	4.2	4.0
110-130	4.9	1.9	.9	.1								7.9	5.0	4.0
140-160	1.6	3.6	2.1	.3	.1							7.7	7.8	8.0
(S) 170-190	1.0	1.0	2.1	1.5	1.0	.1	.3					7.1	13.3	12.0
200-220		.6	1.2		.6	.3						2.7	14.5	12.5
230-250		.1	.1		.1							.4	14.3	10.0
(W) 260-280	.1	.1	.6	.6		.6	.1					2.5	16.8	15.0
290-310	2.7	3.6	5.8	1.8	1.0	.1						15.0	10.3	10.0
320-340	4.9	5.5	5.9	2.7	.3							19.3	9.2	9.0
VARIABLE	<u>.</u>	• • • • • •	•••••		•••••		• • • • • •		• • • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • •	•••••
CALM	1111111	//////	,,,,,,,	,,,,,,,	//////	///////	//////	///////	///////	//////	///////	22.8	111111	111111
TOTALS	23.4	19.2	20.3	8.1	4.0	1.1	.4					100.0	7.0	8.0
			TC	TAL NUM	BER OF	OBSERVA	TIONS	675						

CALM

TOTALS

18.9

27.3 21.6

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PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8 MONTH: FEB HOURS: 12-14 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION 1-4 TOTAL MEAN MEDIAN (DEGREES) WIND × WIND (N) 350-010 3.9 .3 2.0 1.5 .2 7.9 4.5 6.4 1.7 .9 .3 020-040 .6 3.5 7.2 5.0 .5 050-070 .6 1.1 3.3 3.0 (E) 080-100 2.1 1.1 .2 3.3 4.4 4.0 .9 110-130 1.8 3.8 6.5 6.1 6.0 .5 140-160 2.0 2.0 1.5 .5 6.4 8.6 8.5 (S) 170-190 .8 2.6 3.8 2.1 1.5 .2 10.9 12.4 11.0 200-220 .3 1.4 1.2 2.0 .3 14.7 6.4 16.0 230-250 .3 .2 .2 5.8 .6 4.5 .2 (W) 260-280 .3 1.1 .8 .3 .2 2.7 10.8 9.0 290-310 2.1 4.1 5.0 2.3 2.1 .5 16.0 11.6 11.5 320-340 3.0 1.2 .2 20.7 9.9 9.0 7.6 6.2 2.4 .2 VARIABLE

TOTAL NUMBER OF OBSERVATIONS 661

7.8

9.6

100.0

8.4

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N		NOPAH T	EST RAN	GE NV			DO OF RE		JAN 83 - S: 15-17		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.4	2.4	.8	.3	.3		• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	5.2	7.8	6.0
020-040	1.1	2.6	.9	1.4	.3							6.2	9.7	8.0
050-070	.5	.2										.6	3.3	3.0
(E) 080-100	1.2	.8	.2									2.1	4.9	3.5
110-130	3.2	2.4	2.0									7.6	6.5	5.0
140-160	2.1	2.4	1.1	.5	.3							6.4	7.8	8.0
(S) 170-190	2.1	3.5	4.3	2.0	1.1	.5	.3					13.7	11.5	10.0
200-220	.5	1.8	2.4	3.0	.3							8.1	12.5	14.0
230-250	.9	.9	.3	.2								2.3	6.5	6.0
(W) 260-280	1.5	2.0	1.1	1.1	.3							5.9	9.2	9.0
290-310	2.1	3.7	3.0	3.0	1.5	.3						13.7	11.6	12.0
320-340	2.6	2.7	4.9	3.2	1.7	.2						15.2	11.5	10.0
VARIABLE		• • • • • •	•••••	• • • • • • •	•••••	•••••		•••••	• • • • • • •	• • • • • • •	•••••	•••••		•••••
CALM	11111111	/////	//////	//////	1111111	1111111	//////	'//////	///////	///////	'//////	12.8	/////	/////
TOTALS	19.2	25.4	21.0	14.7	5.8	1.0	.3					100.0	8.7	9.0
			то	TAL NUM	BER OF	OBSERVA	TIONS	656						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER	R: 724844		ATION N		NOPAH 1	TEST RAN	IGE NV			DO OF RE		JAN 83 S: 18-20		90
DIRECTION (DEGREES)	1-4	5-9		15-19	WIND S	SPEED IN 25-29		35-39			GE 65	TOTAL	MEAN WIND	MEDIA
(N) 350-010	1.7	1.6	1.1	.3	•••••	• • • • • •	•••••	•••••	•••••	•••••	• • • • • • • •	4.7	7.3	6.0
020-040	.3	.3	.6	.5	.3	.2						2.2	12.4	10.0
050-070	.2											.2	1.0	1.0
E) 080-100	.3	.2										.5	3.3	2.0
110-130	.9	2.2	.8	.3								4.2	7.3	6.0
140-160	2.3	2.2	2.0	.2								6.7	6.8	6.0
s) 170-190	3.1	5.6	2.6	1.7	.6	.5	.5	.2				14.8	10.4	8.0
200-220	3.6	5.4	2.2	.8								12.0	7.2	6.0
230-250	4.0	4.2	.8	.2								9.2	5.4	5.0
w) 260-280	3.0	5.9	2.2	.5								11.5	7.2	6.0
290-310	2.6	6.1	3.7	1.6	.5	.2						14.6	9.1	8.0
320-340	1.2	3.3	2.5	1.2	.2							8.4	9.1	9.0
VARIABLE	: !	• • • • • •		•••••	• • • • • •		•••••	•••••	• • • • • •	•••••	•••••	• • • • • • •	• • • • • •	• • • • • •
CALM	,,,,,,,,	//////	,,,,,,	1111111	//////	(//////	//////	7/////	//////	//////	///////	11.2	/////	//////
TOTALS	23.2	37.0	18.5	7.3	1.6	.9	.5	.2				100.0	7.2	7.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	643						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N	AME: TO	NOPAH 1	TEST RAI	NGE NV			DO OF RE I: FEB		JAN 83 S: 21-2	- MAR 9 3	ю
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED II 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAI WIND
N) 350-010	1.1	.6	1.1	.5	•••••	• • • • • • •	• • • • • •	• • • • • • •		•••••	• • • • • • •	3.3	8.5	8.0
020-040	.5	.8	.2	.3								1.7	7.6	7.0
050-070	.3	.2										.5	4.0	2.0
(E) 080-100	.9	.2	.3									1.4	4.6	2.0
110-130	3.1	3.3	.9	.5								7.8	6.4	5.0
140-160	5.9	6.6	1.4	.8	.2							14.9	6.4	6.0
(S) 170-190	2.7	2.2	.8	1.7	1.3	.2	.3					9.1	10.8	7.5
200-220	1.9	1.1	1.1	1.1	.3							5.5	8.8	8.0
230-250	2.2	1.3	.5	.3								4.2	5.9	4.0
(W) 260-280	3.6	4.7	.8	.3								9.4	5.9	6.0
290-310	4.7	6.3	4.7	1.6	.3							17.5	8.1	7.0
320-340	2.8	5.0	2.5	.3	.3							11.0	7.6	7.5
VARIABLE	: 	•••••	•••••	• • • • • • •	•••••			•••••			• • • • • • •	•••••	•••••	
CALM	11111111	/////	//////	1/////	//////	//////	//////	///////	///////	///////	///////	13.8	/////	'/////
TOTALS	29.7	32.3	14.3	7.4	2.4	.2	.3					100.0	6.5	6.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMB	ER: 724844		ATION N		NOPAH T	EST RAN			MONT	1: FEB	HOUR	JAN 83 S: ALL	- MAR 9	ю
DIRECTION	1-4	5-9	10-14	15-19		PEED IN 25-29	KNOTS				GE 65	TOTAL	MEAN	MEDIA
(DEGREES)	1	•••••		•••••	•••••	•••••	• • • • • •	•••••	•••••	• • • • • •	• • • • • • •	%	WIND	WIND
(N) 350-010	2.2	1.5	1.0	.2	.2	•••••	•••••	• • • • • • •	•••••	• • • • • •	• • • • • • •	5.1	6.9	5.0
020-040	1.0	.7	.2	.4	.1	.0						2.4	7.6	6.0
050-070	.5	.1	.0									.6	3.2	2.0
E) 080-100	1.0	.4	.2									1.6	4.5	4.0
110-130	2.8	2.3	.9	.2	.0							6.2	6.0	5.0
140-160	2.9	3.1	1.6	.4	.2							8.2	7.1	6.0
(s) 170-190	2.0	2.3	2.2	1.4	1.0	.3	.2	.0				9.3	11.1	10.0
200-220	1.2	1.5	1.2	.9	.6	.2						5.5	10.8	10.0
230-250	1.7	1.2	.3	.1	.0							3.3	5.3	4.0
(W) 260-280	3.0	3.0	.9	.6	.2	.1	.0					7.7	7.0	6.0
290-310	4.4	5.8	4.9	1.7	1.0	.1		.0				18.0	9.1	8.0
320-340	3.6	4.7	3.7	1.5	.\$.0	.0					14.0	8.7	8.0
VARIABLE	.¦ 		• • • • • • •		• • • • • • •	•••••		•••••	•••••			• • • • • • • • • • • • • • • • • • • •	•••••	· • • • • •
CALM	11111111	//////	//////	//////	//////	1111111	//////	//////	//////	//////	////////	18.1	/////	'/////
TOTALS	26.3	26.6	17.1	7.4	3.8	.7	.2					100.0	6.8	7.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	5237						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

TOTALS

20.0 22.1 29.1 14.5

6.3

TOTAL NUMBER OF OBSERVATIONS 145

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: $+\ 8$

PERIOD OF RECORD: JAN 83 - MAR 90

MONTH: FEB HOURS: ALL

		•••••		• • • • • • • • • • • • • • • • • • • •	• • • • • •	••••	••••		•••••		• • • • • •	• • • • • • •	•••••	• • • • • •	• • • • • •
CATEGORY A:	CEILING	GE 200	BUT L	ess than And/o		FEET	WITH	VISIB	ILITY	GE 1/2	MILE (O	OO METE	RS).		
	VISIBIL	TY GE	1/2 MI	LE (0800) BUT	LES	S THAN	3 MIL	E\$ (480	O METERS	HTIW (8	CEILING	GE 200	FEET.
	 I 1-4		40-4	4 15-19	WIND				75.70		E0-44	ce 4E	TOTAL	MEAN	MEDIAN
DIRECTION	1-4		, 10-1		20-24 					40-47	30-64		•••••	MEAR	
(DEGREES)	1												%	WIND	WIND
(N) 350-010	2.1	.7			•••••	••••	••••	• • • • • •	•••••	•••••	•••••		2.8	3.3	3.0
020-040	.7												.7	4.0	4.0
050-070	İ														
(E) 080-100	3.4	.7	7										4.1	4.0	4.0
110-130	6.9	4.8	3 2.	8 .7									15.2	6.6	5.0
140-160	3.4	11.0	7.	6 5.5									27.6	9.8	8.5
(S) 170-190	.7	2.1	6.	2 2.1	2.8		.7	2.1					16.6	15.7	13.5
200-220			•	7	1.4								2.1	18.0	20.0
230-250	1		2.	.1									2.1	11.3	12.0
(W) 260-280			•	7 .7									1.4	14.0	14.0
290-310	2.1		6.	9 4.1	.7	•							13.8	12.3	12.0
320-340	.7	2.8	3 2.	1 1.4	1.4		.7						9.0	12.5	10.0
VARIABLE	.;	• • • • • •	• • • • • •	•••••	• • • • • •	••••	••••	• • • • •	•••••		• • • • • • • •		• • • • • • • •		•••••
CALM	111111	//////	//////	''''	//////	////	////	/////	//////	//////	//////	///////	4.8	/////	111111

C - 4 - 20

100.0 10.2 10.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: MAR HOURS: 00-02

	201 10 0101 - 0								MONTH, MAR HOURS; UU-UZ							
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MED I AI		
(N) 350-010	1.7	.1	.6	.9	• • • • • •	• • • • • • • •	• • • • • •	******	• • • • • • •	•••••	• • • • • • • •	3.3	7.7	4.0		
020-040	1.1	.7										.9	5.7	6.0		
050-070	.4											.4	2.3	2.0		
(E) 080-100	2.0	.1	.3	.1								2.6	4.4	4.0		
110-130	2.8	2.7	.6	.4								6.5	6.0	5.0		
140-160	4.8	5.7	2.6	1.1		.1						14.3	7.1	6.0		
s) 170-190	3.3	3.1	1.4	.7	.3	.1						8.9	7.4	5.0		
200-220	1.6	.6	.7	.4	.1							3.4	7.3	6.0		
230-250	1.7	1.0										2.7	3.7	4.0		
W) 260-280	3.7	3.8	1.8	.1	.1							9.6	6.4	6.0		
290-310	5.2	8.4	4.5	1.4	.9	.3						20.7	8.2	7.0		
320-340	3.4	4.0	1.8	.4			.1					9.8	7.4	7.0		
VARJABLE	: 	<i></i> .	• • • • • •	•••••	•••••	• • • • • • •	• • • • • •	•••••		•••••	• • • • • • • •	• • • • • • •	• • • • • •	•••••		
CALM	1111111	//////	///////	///////	///////	///////	//////	///////	///////	///////	///////	16.9	//////	111111		
TOTALS	30.7	30.2	14.3	5.5	1.4	.5	.1					100.0	5.¢	6.0		
			TO	TAL NUM	BER OF	OBSERVA"	TIONS	705								

TOTAL NUMBER OF OBSERVATIONS 705

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8								PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: MAR HOURS: 03-05						
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAI WIND	
(N) 350-010	1.7	.8	.7	.1	• • • • • •	******	******	•••••	• • • • • • •	*****	• • • • • • •	3.4	6.4	4.5	
020-040	.3	.1	.1									.6	6.5	5.0	
050-070	.1											.1	2.0	2.0	
(E) 080-100	.3	.4	•									.7	5.2	5.0	
110-130	1.7	1.5	.6									3.8	5.6	5.0	
140-160	2.7	3.5	1.1	.3	.3	.1	.3					8.3	8.0	6.0	
(S) 170-190	4.2	3.5	.7	.8	.7							9.9	7.4	6.0	
200-220	1.4	.6		.3	.3							2.5	7.1	4.0	
230-250	1.5	.7										2.2	3.8	4.0	
(W) 260-280	2.9	4.1	1.3	.3								8.5	6.5	6.0	
290-310	7.7	9.9	5.2	1.3	.8	.4						25.4	8.0	7.0	
320-340	3.4	4.1	1.5	.1	.1	.3						9.5	7.0	6.0	
VARIABLE	<u> </u>	• • • • • •	•••••	•••••	•••••	• • • • • • •	******	•••••	•••••			•••••	• • • • • • •	•••••	
CALM	11111111	/////	//////	//////	//////	///////	//////	///////	///////	///////	///////	25.1	/////	111111	
TOTALS	27.9	29.2	11.2	3.2	2.2	.8	.3					100.0	5.4	6.0	
			TO	TAL NUM	BER OF	OBSERVA	TIONS	714							

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N		NOPAH	TEST RAN	IGE NV			PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: MAR HOURS: 06-08						
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED II 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND		
(N) 350-010	3.1	1.6	.8	.3	•••••	• • • • • •	•••••	•••••	• • • • • • •	•••••	•••••	5.8	5.8	4.0		
020-040	1.2	.1	.1									1.5	3.5	3.0		
050-070	.4	.3										.7	3.8	3.0		
(E) 080-100	1.2	.3										1.5	3.2	2.0		
110-130	2.2	1.9	.5	.5								5.1	6.6	5.5		
140-160	2.3	2.7	1.3	.1	.4							6.9	7.5	6.0		
(S) 170-190	2.0	2.4	1.3	.9	.1		.1					7.0	8.4	6.0		
200-220	.8	.4	.4	.5	.1							2.3	9.1	7.0		
230-250	.5	.1										.7	3.2	3.0		
(W) 260-280	3.0	2.4	.7	.7								6.7	6.6	5.0		
290-310	3.9	7.6	3.2	3.1	.3	.8						18.9	9.3	8.0		
320-340	4.3	5.9	3.1	.7	.5							14.6	7.6	6.0		
VARIABLE	 		•••••	• • • • • • •	• • • • • •	• > • • • • •	•••••		• • • • • •		•••••	• • • • • • •	• • • • •	, .		
CALM	11111111	/////	//////	///////	//////	///////	//////	//////	///////	//////	///////	28.3	/////	'/////		
TOTALS	24.9	25.7	11.4	6.8	1,4	.8.	.1					100.0	5.4	6.0		
			TC	TAL NUM	BER OF	OBSERVA	TIONS	741								

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER	TATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8									PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: MAR HOURS: 09-11						
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29						TOTAL	MEAN WIND	MEDIAN WIND		
(N) 350-010	4.1	5.3	2.4	.4	.1	• • • • • • • •	•••••	•••••	•••••	•••••	• • • • • • •	12.3	7.0	7.0		
020-040	1.9	.5	.8	.1								3.4	6.0	4.0		
050-070	1.1											1.1	2.9	3.0		
(E) 080-100	1.5	.1	.1									1.8	3.2	2.0		
110-130	3.5	4.1	1.4	.4								9.3	6.2	5.0		
140-160	1.6	4.2	1.8	.8	.4	.3						9.1	8.9	8.0		
(S) 170-190	.9	1.9	2.4	2.2	.7	.5	.1					8.8	12.8	13.0		
200-220	.4	1.2	1.4	.5	.4	.1	.1					4.2	12.4	11.0		
230-250	.1	.4	.1	.1								.8	7.8	6.5		
(W) 260-280	.1	.3	.3	.1	.5							1.4	15.1	16.0		
290-310	.9	3.3	3.5	1.9	1.6	.7	.3					12.2	13.1	12.0		
320-340	3.3	5.4	5.1	3.4	1.6	.9	.3	.1				20.2	11.7	10.0		
VARIABLE	 	• • • • •	• • • • • • •	•••••	•••••	• • • • • • • •	•••••		•••••	•••••	•••••	• • • • • • •	• • • • • • •			
CALM	111111111	/////	//////	//////	//////	////////	//////	///////	1111111	///////	'//////	15.4	/////	/////		
TOTALS	19.4	26.7	19.3	9.9	5.3	2.5	.8	.1				100.0	8.4	8.0		

TOTAL NUMBER OF OBSERVATIONS 738

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

TATION NUMBER	R: 724844		ATION N T TO UT		NOPAH T	EST RANG	E NV		PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: MAR HOURS: 12-14						
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	PEED IN 25-29	30-34	35-39				TOTAL	MEAN WIND	MEDIAI WIND	
N) 350-010	1.5	2.1	1.8	.5		******	.1	.1	• • • • • •	• • • • • • •	• • • • • • •	6.2	9.5	8.0	
020-040	1.9	1.6	1.4	.1								5.1	6.6	6.0	
050-070	.4	.4	.4	.3								1.5	8.4	8.0	
E) 080-100	.5	.8	.1									1.5	5.5	5.0	
110-130	1.1	1.8	.4									3.3	5.8	5.0	
140-160	1.8	2.2	1.6	.4	.5	.1	.1					6.8	9.3	8.0	
(S) 170-190	1.4	2.7	4.5	4.1	2.5	.4						15.6	13.5	13.0	
200-220	.8	1.9	1.8	1.5	1.2	.4						7.7	13.0	12.0	
230-250	8.	2.1	1.4	.5	.3	.1						5.2	10.1	9.0	
w) 260-280]] 1.1	1.0	1.8	.1	.4							4.4	9.3	10.0	
290-310	1.6	2.9	3.8	2.7	1.6	1.2	.4					14.4	13.6	12.0	
320-340	2.1	4.9	5.1	5.2	2.9	.8	-4					21.4	13.3	13.0	
VARIABLE	! !		•••••	•••••	• • • • • • •		- • • • • •	• • • • • • •		•••••			••••		
CALM	 ////////	/////	///////	///////	1111111	(//////	//////	///////	((((()	//////	(//////	7.0	/////	//////	
TOTALS	15.0	24.4	24.1	15.4	9.4	3.0	1.0	.1				100.0	10.8	10.0	
			TC	TAL NU	IBER OF	OBSERVA	TIONS	730							

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844	LS	TO UT	C: + 8		EST RAN			MONT	: MAR		S: 15-1	7	0
DIRECTION (DEGREES)	1-4			15-19	WIND S	SPEED IN 25-29	KNOTS				GE 65	TOTAL		MEDIAI WIND
(N) 350-010	.7	2.5	2.4	1.2	.6	.1	******	.3	.1	•••••	• • • • • • •	7.9	12.6	11.0
020-040	.7	2.1	1.2	.6	.1							4.7	9.2	9.0
050-070	1.0	1.0	.1									2.1	5.0	5.0
(E) 080-100	.1	.6	.3	.1								1.1	8.9	8.5
110-130	.7	.4	1.0	.1	.1							2.4	9.3	10.0
140-160	1.1	1.5	1.7	1.0	.3							5.5	9.9	10.0
s) 170-190	.8	3.9	5.0	3.9	1.4	.8						15.8	13.0	12.0
200-220	1.4	3.0	2.9	2.1	1.2	.3						10.9	11.6	10.0
230-250	.6	2.5	1.1	.4	.3							4.8	9.2	8.0
(W) 260-280	1.5	2.2	.6	.8	.3	.3						5.7	9.3	8.0
290-310	1.2	2.4	2.4	3.3	2.1	1.4	.3					13.0	14.8	15.0
320-340	1.7	4.3	4.3	5.3	3.5	.7	.1					19.8	13.6	14.0
VARIABLE	! !	•••••	•••••	•••••		•••••	•••••				•••••	• • • • • • •	• • • • • •	•••••
CALM	11111111	//////	1111111	///////	//////	,,,,,,,	//////	///////	///////	//////	///////	6.4	/////	//////
TOTALS	11.5	26.4	23.0	18.8	9.9	3.6	.4	.3	.1			100.0	11.3	11.0
			TC	TAL NUM	BER OF	OBSERVA	TIONS	723						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N		NOPAH	TEST RAN	GE NV		PERIO MONTH		CORD : HOUR	JAN 83 S: 18-20		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29	30-34			50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.3	2.1	1.6	.4	1		• • • • • • •	•••••	• • • • • • •	• • • • • • •	•••••	5.5	8.3	8.0
020-040	.7	1.6	1.1	.1		.1						3.7	8.8	8.0
050-070	1.0											1.0	3.1	3.0
E) 080-100	.4	.6										1.0	4.7	5.0
110-130	1.0	1.0	.7	.4								3.1	8.0	7.0
140-160	2.3	3.1	3.3	.6								9.2	8.2	8.0
s) 170-190	2.1	7.1	4.4	2.3	.1	.1						16.1	9.3	8.0
200-220	3.5	6.9	2.3	1.0	.4		.1					14.3	8.0	7.0
230-250	2.3	3.5	.8	.4								7.1	6.4	6.0
W) 260-280	2.4	2.4	1.0		.1							5.9	5.9	5.0
290-310	1.7	5.2	4.1	2.7	.8	.4	.1					15.1	11.3	10.0
320-340	1.4	2.5	4.0	2.7	1.0	.1						11.7	11.7	11.0
VARIABLE	: 	•••••	•••••	•••••	• • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • •		• • • • • • •	•••••		• • • • • • •	• • • • • •	•••••
CALM	11111111	/////	//////	//////	/////	///////	//////	//////	///////	//////	///////	6.2	/////	//////
TOTALS	20.1	36.0	23.3	10.6	2.5	.7	.2					100.0	8.4	8.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	707						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

	•	
STATION NUMBER: 724844	STATION NAME: TONOPAH TEST RANGE NV	PERIOD OF RECORD: JAN 83 - MAR 90
	LST TO UTC: + 8	MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MED I AI
N) 350-010	1.4	2.1	1.3	.1	•••••		• • • • • •	• • • • • • •	• • • • • • •	•••••	******	5.0	7.2	8.0
020-040	.3	.6	.3									1.1	6.6	6.0
050-070	.3	.1										.4	3.0	2.0
E) 080-100	1.6	.3										1.9	3.5	4.0
110-130	2.4	4.1	1.4	.4								8.4	6.8	6.0
140-160	4.6	4.3	2.7	1.4								13.0	7.5	6.0
s) 170-190	2.0	3.6	3.3	.3	.6							9.7	8.7	8.0
200-220	3.3	3.3	1.7	.6	.3	.1						9.3	7.4	6.0
230-250	2.6	2.3	1.3									6.1	6.3	5.0
W) 260-280	3.3	4.1	.9	.1	.1							8.5	6.2	5.0
290-310	3.6	7.1	3.0	1.6	.1	.3						15.7	8.4	7.0
320-340	2.8	5.0	2.3	.9	.1	.3						11.4	7.9	7.0
VARIABLE	 !	• • • • • •	•••••	•••••			• • • • •		• • • • • •	• • • • • • •	•••••	•••••	• • • • • • •	•••••
CALM	////////	//////	//////	//////	//////	///////	//////	1111111	///////	1111111	///////	9.5	//////	/////
TOTALS	28.2	36.9	18.2	5.4	1.2	.7						100.0	6.7	6.0

CALM

TOTALS

22.1 29.3 18.0

9.5

4.1

1.6

TOTAL NUMBER OF OBSERVATIONS 5760

THE PROPERTY OF THE PROPERTY O

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JAN 83 - MAR 90 STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 MONTH: MAR HOURS: ALL LST TO UTC: + 8 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 MEDIAN TOTAL MEAN DIRECTION | WIND WIND (DEGREES) 8.0 .0 .0 .1 .0 8.2 (N) 350-010 1.9 1.4 .5 .1 2.6 7.2 6.0 ٥. .0 020-040 .9 .9 .6 .1 .9 4.7 4.0 .0 .2 .1 050-070 .6 1.5 4.6 4.0 .1 .0 .4 (E) 080-100 1.0 5.2 6.5 5.0 .8 .3 .0 2.2 110-130 1.9 7.0 8.1 0.1 .1 .1 .7 .2 2.0 140-160 2.6 3.4 10.0 .0 11.5 10.5 .3 (S) 170-190 2.1 3.5 2.9 1.9 .8 8.0 .0 6.8 9.6 1.4 .9 .5 . 1 2.2 200-220 1.6 3.7 7.0 6.0 .6 .2 .0 1.6 230-250 1.3 6.3 7.2 6.0 1.0 .0 .3 .2 2.5 (R) 260-280 2.2 16.9 10.3 9.0 1.0 .7 .1 2.3 3.7 290-310 3.2 5.8 10.0 14.9 10.7 .4 .1 .0 320-340 3.4 2.3 1.2 VARIABLE

C - 4 - 29

.1

.3

100.0

7.8

8.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV

PERIOD OF RECORD: JAN 83 - MAR 90

LST TO UTC: + 8

MONTH: MAR HOURS: ALL

CATEGORY A:	CEILING GE 200 BUT LESS THAN 1500	FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
	AND 400	

AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		_	• • • • • • •			SPEED IN			•••••	• • • • • • •	•••••	• • • • • • •		• • • • • • •
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)	I											*	WIND	WIND
(N) 350-010	1.6	2.3	1.6	•••••	• • • • • •		•••••	.8	•••••		•••••	6.2	10.5	8.0
020-040	1.6	.8	٠									2.3	4.7	4.0
050-070	.8	.8										1.6	3.5	3.5
(E) 080-100	1.6	1.6	.8									3.9	5.2	5.0
110-130	.8	.8	5.4	.8								7.8	11.2	12.0
140-160	.8	5.4	3.9	1.6								11.6	9.4	9.0
(S) 170-190	1	1.6		2.3	.8							4.7	13.3	16.0
200-220	2.3		.8	.8								3.9	7.8	4.0
230-250		.8										.8	9.0	9.0
(W) 260-280	8.	3.9	2.3									7.0	8.0	7.0
290-310	3.1	6.2	6.2	3.9	3.1	4.7	.8					27.9	14.2	13.0
320-340	4.7	3.1	2.3	.8	.8							11.6	8.4	6.0
VARIABLE	: 	•••••	• • • • • •	• • • • • •	•••••		•••••	• • • • • • •	•••••		•••••	• • • • • • •	• • • • • •	• • • • • • •
CALM	,,,,,,,	//////	///////	//////	//////	,,,,,,,	,,,,,,,	(///////	//////	///////	,,,,,,,	10.9	/////	111111
TOTALS	18.1	27.3	23.3	10.2	4.7	4.7	.8	.8				100.0	9.5	9.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	129						

TOTAL NUMBER OF OBSERVATIONS 129

r - 4 - 30

TOTALS

34.4 29.9 13.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8 MONTH: APR HOURS: 00-02 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION TOTAL MEAN MEDIAN (DEGREES) WIND WIND (N) 350-010 1.0 3.0 1.7 4.6 020-040 .5 .5 5.2 1.0 5.5 050-070 .5 .7 1.2 4.7 5.0 (E) 080-100 1.0 ..7 .2 1.9 5.2 4.0 110-130 1.2 2.5 .5 4.2 6.4 6.0 140-160 2.9 3.6 1.9 .5 .2 9.0 7.0 6.0 (S) 170-190 4.6 3.1 1.0 .3 .2 9.2 5.8 4.5 200-220 .2 2.0 1.0 .3 .3 3.9 6.8 4.0 230-250 3.7 2.0 .2 5.9 4.7 4.0 (W) 260-280 5.9 5.8 2.7 .2 14.6 6.5 6.0 290-310 7.5 1.4 6.8 4.1 .2 19.9 7.1 6.0 320-340 3.6 2.9 2.0 .8 .5 9.8 7.9 6.5 VARIABLE CALM

TOTAL NUMBER OF OBSERVATIONS 589

1.8

3.2

100.0

5.4

6.0

CALM

TOTALS

27.0 30.0 12.2

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: APR HOURS: 03-05 WIND SPEED IN KNOTS 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION TOTAL MEAN MEDIAN (DEGREES) % WIND WIND (N) 350-010 1.2 1.0 2.8 020-040 050-070 .2 .2 .3 4.5 4.5 .7 (E) 080-100 .3 1.0 4.8 5.0 110-130 1.5 1.0 1.2 3.7 6.7 5.5 140-160 2.8 2.5 .8 .5 6.7 6.0 6.0 2.5 .5 6.3 (S) 170-190 1.8 .7 5.5 5.0 .3 .8 200-220 2.0 .2 6.0 4.0 3.3 .2 3.9 230-250 2.8 1.0 4.0 3.0 (W) 260-280 3.8 6.7 3.3 .3 .2 7.2 6.0 1.7 7.1 290-310 7.2 11.5 3.7 .2 24.2 6.0 320-340 2.7 3.3 .8 .3 .3 7.5 7.2 6.0 VARIABLE

TOTAL NUMBER OF OBSERVATIONS 599

.7

3.5

100.0

4.9

6.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N		NOPAH TE	ST RANGE	NV		OD OF RE		JAN 83		0
DIRECTION (DEGREES)	1-4	5-9			WIND SP	EED IN KN	OTS	39 40-49		GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	2.7	2,1	.5	.2	••••••	• • • • • • • • •	••••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • •		5.4	5.4	4.5
020-040	1.7	.3	.5	.2							2.7	5.8	4.0
050-070	.5	.3	.2								1.0	5.7	4.5
(E) 080-100	2.2	.2									2.4	3.1	3.0
110-130	3.3	2.9	1.0								7.1	5.3	5.0
140-160	2.1	2.2	3.3	.8	.2						8.6	9.0	9.5
(S) 170-190	1.1	1.4	1.6	.6							4.8	9.0	9.0
200-220		.5	.5								1.0	10.5	10.5
230-250	.6	.8									1.4	5.0	5.0
(W) 260-280	1.6	2.2	1.7	1.1	.8	.2					7.6	10.4	9.5
290-310	5.4	7.8	3.5	1.4	.8						18.9	8.0	7.0
320-340	5.7	6.7	2.4	1.6	.3	.3					17.0	7.7	6.0
VARIABLE		• • • • •	•••••	•••••	•••••		•••••	• • • • • • • •			•••••	• • • • • •	•••••
CALM	11111111	/////	//////	//////	////////	/////////	///////	/////////	///////	///////	22.2	/////	111111
TOTALS	26.9	27.4	15.2	5.9	2.1	.5					100.0	5.9	7.0
			то	TAL NUM	BER OF O	BSERVATIO	NS 630						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER	R: 724844		ATION N		NOPAH '	TEST RAN	GE NV			D OF RE		JAN 83 S: 09-1		20
DIRECTION (DEGREES)	1-4				WIND	SPEED IN 25-29	KNOTS					TOTAL	MEAN WIND	MEDIA! WIND
(N) 350-010	2.2	3.0	2.4	1.1	.3	• • • • • • • •	• • • • • •	•••••	• • • • • • •	•••••		9.0	9.2	9.0
020-040	2.1	1.0	.8									3.8	5.7	4.0
050-070	1.1	.2	.2									1.4	4.4	4.0
(E) 080-100	1.0	1.3	.2	.2								2.5	5.7	5.5
110-130	2.9	1.9	1.1	.2								6.0	6.1	5.0
140-160	2.7	4.9	3.5	1.0	.5	.2						12.7	8.8	8.5
(S) 170-190	.8	4.0	4.4	3.3	1.0							13.5	11.6	11.0
200-220	.6	2.1	1.6	1.0	.6	.5	.2					6.5	12.3	10.0
230-250	.8	.5	.3									1.6	5.7	4.5
(W) 260-280	1.0	1.3	.6	.3	.3							3.5	8.9	8.0
290-310	1,1	5.4	4.4	2.9	1.4	.2	.2					15.6	11.6	10.5
320-340	2.7	5.4	5.1	1.3	.3	.3						15.1	9.3	8.0
VARIABLE			•••••	•••••	•••••		• • • • • •			•••••	•••••			
CALM	11111111	/////	//////	///////	/////	///////	//////	///////	//////	//////	1111111	8.7	/////	11/1//
TOTALS	19.0	31.0	24.6	11.3	4.4	1.2	.4					100.0	8.7	9.0

TOTAL NUMBER OF OBSERVATIONS 630

THE RESERVE THE PROPERTY OF TH

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

	FEINC, NOR	ETIELE NO					TROM NO	OKE1 06	PERVALI	UNIS					
STA	TION NUMBE	R: 724844		ATION N		NOPAH 1	EST RAN	GE NV			DO OF RE	CORD: HOUR	JAN 83 S: 12-1		0
_	DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIA WIND
(N)	350-010	1.3	1.9	1.4	1.0	.3	••••••	• • • • • •	•••••	• • • • • • •		*****	5.9	9.2	9.0
	020-040	1.3	1.3	.2									2.7	5.3	5.0
	050-070	1.9	.5	.2									2.6	3.8	2.5
Έ)	080-100	1.0	.8	.5									2.2	5.6	5.0
	110-130	.8	1.6	1.0	.2								3.5	7.4	7.0
	140-160	.8	2.9	2.4	1.0	.2	.3						7.5	10.4	10.0
(8)	170-190	1.0	4.0	7.0	4.2	.6	.6	.2					17.6	12.5	12.0
	200-220	.8	3.4	5.3	1.9	1.0	.6	.2	.2				13.3	12.6	12.0
	230-250	1.0	2.1	1.6	.3	.5							5.4	9.1	8.0
(W)	260-280	1.1	3.2	1.9	1.3	.6	.2						8.3	10.1	9.0
	290-310	2.1	4.2	4.8	2.4	2.4	.6						16.5	12.1	11.0
	320-340	1.6	4.0	4.2	1.8	.6	.2						12.3	10.2	10.0
	VARIABLE	<u>.</u>	••••	•••••	•••••		•••••	• • • • • •		• • • • • • •	•••••	•••••	•••••	•••••	
	CALM	11111111	/////	//////	//////	//////	///////	//////	1111111	///////	///////	///////	2.1	/////	/////
1	TOTALS	14.7	29.9	30.5	14.1	6.2	2.5	.4	.2				100.0	10.4	10.0
				TO	TAL NUM	BER OF	OBSERVA	TIONS	625						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

我**可以我们我们**是我们,可以对于他们的感觉,但是不是一个人的意思,我们就是我们的感觉,我们就是一个人的,我们就是一个人的,我们也不是一个人的,我们也不是一个人的人

STATION NUMBE	R: 724844		ATION N		NOPAH 1	EST RAN	GE NV			DD OF RE		JAN 83 S: 15-17		ю
DIRECTION (DEGREES)	····	5-9	10-14	15-19		PEED IN 25-29		35-39		50-64		TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.0	2.3	1.9	.6	.3		• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	******	6.2	9.1	9.0
020-040	.6	1.3	.8									2.8	6.9	6.0
050-070	.3	.3										.6	4.8	4.5
(E) 080-100	.2	.6	.2									1.0	6.8	6.5
110-130	.8	1.6	.8	.2								3.4	7.5	6.0
140-160	.8	2.3	1.3	1.1	.3	.2						6.0	10.7	9.0
(S) 170-190	.8	3.6	6.8	4.4	1.6	.2						17.4	12.8	13.0
200-220	.6	4.9	5.0	1.6	1.3	.2						13.6	11.3	10.0
230-250	1.0	2.1	1.9	.6	.2	.2						6.0	9.6	9.0
(W) 260-280	.8	2.9	1.1	1.6	.5	.6						7.6	11.9	10.0
290-310	1.8	2.8	5.5	3.1	1.3	1.0	.3	.2				15.9	13.1	12.0
320-340	1.5	2.9	3.7	1.8	1.6	1.0	.3					12.8	13.5	13.0
VARIABLE		•••••	•••••	•••••	•••••		•••••	•••••		· · · · · · · · ·	• • • • • • •	•••••	• • • • • •	•••••
CALM	11111111	/////	//////	//////	//////	///////	//////	///////	//////	///////	///////	6.7	/////	'/////
TOTALS	10.2	27.6	29.0	15.0	7.1	3.4	.6	.2				100.0	10.8	11.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	616						

ACCOMPANIES OF THE PROPERTY OF

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: APR HOURS: 18-20 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION TOTAL MEAN MEDIAN (DEGREES) % WIND WIND (N) 350-010 1.2 .3 2.2 1.2 .3 5.2 8.4 8.0 .7 .7 .5 020-040 .2 2.0 7.4 5.5 .3 050-070 .2 .5 4.7 4.0 (E) 080-100 .3 . .3 .2 .8 5.2 5.0 110-130 1.3 2.5 .2 .2 4.2 6.0 6.6 140-160 1.5 1.8 2.0 .3 5.7 8.3 9.0 6.5 (S) 170-190 3.2 7.0 1.8 1.0 19.6 9.7 10.0 200-220 3.5 6.2 5.2 1.2 .5 8.0 16.6 8.6 230-250 2.5 3.7 .2 .3 6.7 6.3 5.0 3.2 .3 (W) 260-280 1.8 2.0 .3 7.7 8.0 8.0 290-310 2.3 5.9 3.7 2.7 1.3 .2 16.1 10.9 9.0 320-340 1.0 2.2 4.0 2.5 .5 .2 .2 10.6 12.0 12.0 VARIABLE CALM TOTALS 19.6 35.4 26.0 9.7 3.9 .5 100.0 8.8 8.0

TOTAL NUMBER OF OBSERVATIONS 597

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N		NOPAH '	TEST RAN	GE NV			DO OF RE	CORD : HOUR	JAN 83 S: 21-2		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAI WIND
(N) 350-010	8.	.3	.3	.2	•••••	•••••	• • • • • •	• • • • • • •	• • • • • • •	•••••	•••••	1.7	6.5	4.5
020-040	.5	1.4										1.9	6.0	7.0
050-070	.7	.3										1.0	4.2	4.0
E) 080-100	.7	.8										1.5	4.7	5.0
110-130	2.7	3.5	.8									7.1	5.5	6.0
140-160	4.6	4.2	2.5	.5								11.8	6.7	6.0
s) 170-190	5.9	5.1	1.9	.5	.5							13.9	6.7	5.0
200-220	1.2	3.4	2.9	1.2	.2							8.8	9.6	9.0
230-250	2.0	3.0	.2		.2	.3						5.7	7.1	6.0
W) 260-280	2.9	6.1	2.0	.3	.2							11.5	7.0	6.0
290-310	4.7	6.6	3.4	1.4	1.0							17.1	8.3	7.0
320-340	2.4	2.7	3.2	.8	.3	.2						9.6	9.3	9.0
VARIABLE	! !		•••••	· · · · · · ·	•••••	• • • • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••	•••••	• • • • • • •	•••••
CALM	11111111	/////	//////	//////	//////	,,,,,,,	//////	///////	///////	///////	'//////	8.4	/////	/////
TOTALS	29.1	37.4	17.2	4.9	2.4	.5						100.0	6.8	6.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	592						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: APR HOURS: ALL

DIRECTION	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)		• • • • • •					•••••	•••••			•••••	*	WIND	WIND
(N) 350-010	1.4	1.7	1.1	.4	5	•••••	• • • • • • •	• • • • • •	•••••	•••••	•••••	4.8	8.0	7.5
020-040	.9	.8	.3	.0								2.1	6.0	5.5
050-070	.7	.3	.1									1.1	4.4	4.0
(E) 080-100	.8	.7	.1	.0								1.7	5.0	4.5
110-130	1.8	2.2	.8	.1								4.9	6.2	6.0
140-160	2.3	3.1	2.2	.7	.2	.1						8.5	8.3	8.0
(S) 170-190	2.4	3.7	3.8	2.0	.6	.1	.0					12.7	10.0	10.0
200-220	1.3	2.7	2.7	.9	.5	.2	.0	.0				8.4	10.3	10.0
230-250	1.8	1.9	.5	.1	.1	.1						4.6	6.8	5.0
(W) 260-280	2.3	3.9	1.9	.7	.4	.1						9.3	8.3	8.0
290-310	4.0	6.3	4.1	2.1	1.1	.2	.1	.0				18.0	9.5	8.0
320-340	2.6	3.8	3.2	1.4	.6	.3	.1					11.9	9.7	8.0
VARIABLE	: 	• • • • • •	•••••	•••••	• • • • • • •	•••••	•••••	• • • • • •			•••••	• • • • • • •		•••••
CALM	,,,,,,,,	111111	//////	,,,,,,	,,,,,,	,,,,,,	//////	//////	7//////	///////	1111111	12.1	/////	111111
TOTALS	22.3	31.1	20.8	8.4	3.7	1.1	.2					100.0	7.7	8.0
			то	TAL NUM	BER OF	OBSERVA	TIONS	4878						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8 PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: APR HOURS: ALL

	VISIBILITY	GE 1,	/2 MILE	(0800	METERS)	BUT LE	SS THAN	3 MILES	s (4 8 00	METERS) WITH	CEILING	GE 200	FEET.
DIRECTION	1-4	5-9	10-14	15-19	WIND SI 20-24	PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)	 I	•••••	• • • • • • •	• • • • • •	• • • • • • •	•••••	•••••		• • • • • •	•••••		%	MIND	WIND
(N) 350-010	1	3.4	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •		. ,	• • • • • •	• • • • • • •	• • • • • • •	3.4	6.0	6.0
020-040	ļ													
050-070														
(E) 080-100	İ	3.4										3.4	7.0	7.0
110-130														
140-160														
(S) 170-190														
200-220	3.4				3.4							6.9	11.0	11.0
230-250														
(W) 260-280		17.2	6.9		3.4							27.6	9.8	8.0
290-310		17.2			3.4			3.4				24.1	13.7	9.0
320-340	İ	3.4	6.9	3.4	3.4	3.4	6.9					27.6	19.8	17.5
VARIABLE	·		• • • • • •		•••••	• • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • •		• • • • • • •	•••••	• • • • • •	
														
CALM	////////	/////	///////	'/////	//////	//////	//////	///////	'/////	1111111	//////	6.9	//////	//////
TOTALS	3.4	44.6	13.8	3.4	13.6	3.4	6.9	3.4				100.0	12.7	9.0

TOTAL NUMBER OF OBSERVATIONS 29

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

The state of the s

TATION NUMBER	R: 724844		ATION N		NOPAH T	EST RAN	GE NV		PERIO MONTH	D OF RE		JAN 83 S: 00-0		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIA WIND
N) 350-010	1.0	1.1	.3		•••••	•••••		••••••	•••••	•••••	•••••	2.5	6.0	7.0
020-040	.5	.2	.2									.8	5.4	3.0
050-070	.5											.5	2.0	2.0
E) 080-100	1.0	.5										1.5	4.0	4.0
110-130	1.8	2.5	.3									4.6	5.3	5.0
140-160	2.9	4.1	.3									7.4	5.3	5.0
s) 170-190	3.9	3.3	.8	.2			.2					8.3	6.3	5.0
200-220	2.0	1.1	1.3	.3		.2						4.9	8.0	6.0
230-250	2.0	3.1										5.1	5.1	5.0
W) 260-280	6.0	8.5	2.0	.2								16.7	6.1	6.0
290-310	6.2	9.8	5.1	2.1	.2							23.4	7.8	7.0
320-340	2.3	3.3	.8	1.1								7.5	7.8	7.5
VARIABLE		• • • • •					•••••	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • • •	· • • • • •
CALM	11111111	/////	///////	///////	///////	///////	//////	///////	'//////	///////	///////	17.0	/////	1/////
TOTALS	30.1	37.5	11.1	3.9	.2	.2	.2					100.0	5.5	6.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: MAY HOURS: 03-05 WIND SPEED IN KNOTS DIRECTION 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN (DEGREES) X WIND **UKIW** (N) 350-010 1.1 .3 1.9 3.3 3.0 020-040 .3 .2 .5 3.3 3.0 050-070 .8 .2 1.0 3.0 2.5 (E) 080-100 .2 .2 1.4 1.7 4.0 4.0 110-130 1.0 .2 1.1 2.2 5.3 4.5 140-160 2.5 3.6 .2 6.3 5.0 5.0 (S) 170-190 2.7 .5 .3 5.9 6.0 2.4 6.1 .3 5.0 200-220 1.7 1.1 3.2 4.0 230-250 2.2 3.2 5.4 4.4 4.0 (W) 260-280 7.3 7.0 2.9 .3 .2 17.6 6.0 5.0 290-310 7.1 8.4 4.0 1.3 21.1 7.4 7.0 320-340 1.7 6.4 3.8 3.2 .2 6.0 VARIABLE CALM TOTALS 33.5 30.9 10.1 2.3 .5 100.0 5.0 4.6

TOTAL NUMBER OF OBSERVATIONS 631

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N		NOPAH 1	EST RAN	GE NV		PER I C	D OF RE		JAN 83 S: 06-0		00
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN		35-39	40-49		GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	3.2	3.4	1.7	.3		•••••	• • • • • •	• • • • • • •	•••••	•••••	•••••	8.6	6.4	5.0
020-040	1.8	.5	.5									2.8	4.9	3.5
050-070	1.7	.3										2.0	2.7	2.0
(E) 080-100	1.1	.2	.2									1.4	3.8	3.0
110-130	3.1	3.5	.5	.2								7.2	5.4	5.0
140-160	2.6	2.5	1.1	.2	.3							6.6	6.9	6.0
(S) 170-190	.8	.9	1.7	.9	.2							4.5	10.3	10.0
200-220	.3	.2	1.1									1.5	9.4	10.0
230-250	.3		.3									.6	6.0	6.5
(W) 260-280	.8	2.6	1.4	.5								5.2	8.2	8.0
290-310	4.0	5.7	7.2	1.7	1.5	.3						20.4	10.0	10.0
320-340	5.5	5.5	3.5	1.5	.5	.2						16.7	8.0	7.0
VARIABLE	: [••••	• • • • • • •	•••••	•••••	•••••	• • • • • •			•••••		•••••	•••••	•••••
CALM	///////	/////	//////	//////	//////	///////	//////	///////	///////	//////	///////	22.4	/////	//////
TOTALS	25.2	25.3	19.2	5.3	2.5	.5						100.0	6.1	7.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	651						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER:	: 724844		ATION N	AME: TO	NOPAH T	EST RAN	GE NV			D OF RE		JAN 83 S: 09-1	- MAR 9 1	0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49		GE 65	TOTAL	MEAN WIND	MEDIAI WIND
(N) 350-010	2.6	3.7	1.4	3	•••••	•••••	•••••	• • • • • • •		•••••	•••••	8.1	6.4	6.0
020-040	1.2	1.9	.3	.2								3.6	6.1	5.0
050-070	1.4	.2										1.6	3.8	4.0
(E) 080-100	2.2	.9										3.1	4.1	4.0
110-130	2.5	3.4	.9	.2								7.0	6.1	6.0
140-160	2.6	2.2	1.9	1.1	.3							8.1	8.4	6.0
(S) 170-190	2.0	3.6	4.7	2.2	1.6	.3						14.3	11.5	12.0
200-220	.9	2.6	3.0	1.4								7.9	9.8	10.0
230-250	.6	1.2	.9	.2								3.0	8.0	8.0
W) 260-280	1.2	.9	2.6	.5	.3							5.6	9.5	10.0
290-310	2.0	4.0	4.2	2.6	1.6	.2						14.6	11.2	10.0
320-340	2.5	3.7	3.9	3.3	.8		.2	.2				14.4	11.1	10.0
VARIABLE		• • • • •	•••••	•••••	•••••		• • • • • •	• • • • • • •				• • • • • •		•••••
CALM	////////	/////	//////	,,,,,,,	//////	1111111	//////	///////	///////	1111111	,,,,,,,,	8.9	/////	111111
TOTALS	21.7	28.3	23.8	12.0	4.6	.5	.2	.2				100.0	8.5	8.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	644						

CALM TOTALS

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STA	ATION NUMBER	: 724844		ATION A		MOPAH 1	TEST RAN	IGE NV			D OF RE		JAN 83 · S: 12-14		ю
•••	DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED 11 25-29		35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N)	350-010	1.3	2.1	2,4	.6	•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	*****	• • • • • • •	6.4	8.5	8.5
	020-040	1.1	1.0	1.0	.2								3.2	6.9	6.0
	050-070	.8	1.0	.2									1.9	5.9	5.0
(E)	080-100	1.1	.6	.2									1.9	4.6	4.0
	110-130	.6	1.8	.3									2.7	6.3	7.0
	140-160	1.0	3.0	.6	.3	.6	.2						5.7	9.1	7.0
(\$)	170-190	.6	4.1	7.8	3.7	2.7	1.0	.3					20.3	13.6	13.0
	200-220	1.6	3.5	6.5	1.9	.5	.3						14.4	10.8	11.0
	230-250	1.1	2.1	2.1	.8	.2							6.2	8.9	8.0
(W)	260-280	1.1	2.1	2.4	1.3	.6							7.5	10.6	10.0
	290-310	1.9	3.0	5.3	2.2	.5							12.9	10.5	10.0
	320-340	1.8	2.7	3.8	2.4	.5		.3	.2				11.6	11.6	11.0
• • •	VARIABLE			•••••		•••••	• • • • • • •	•••••	•••••		•••••		• • • • • • •		

TOTAL NUMBER OF OBSERVATIONS 627

1.5

5.6

14.0 27.0 32.6 13.4

.6

.2

100.0 10.0 10.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

Commence of the second of the

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: MAY HOURS: 15-17 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION TOTAL MEAN (DEGREES) * WIND WIND (N) 350-010 1.4 1.6 1.6 .5 5.1 8.2 8.5 020-040 .6 1.1 1.1 .2 3.0 8.7 8.0 050-070 .3 1.3 .2 1.8 6.0 (E) 080-100 .6 1.4 .2 5.9 5.0 110-130 1.0 1.3 .6 2.9 5.0 6.4 140-160 .5 1.6 1.9 .5 .3 10.3 4.8 10.0 (S) 170-190 1.3 4.2 7.1 2.2 .2 6.1 21.7 13.4 14.0 200-220 1.8 3.9 5.9 1.6 .2 9.9 10.0 230-250 1.0 .3 .2 6.7 8.2 6.0 (W) 260-280 2.1 1.6 1.9 1.4 .3 7.4 10.0 10.0 290-310 1.4 3.7 5.9 2.6 2.4 .3 17.0 13.0 12.0 320-340 2.7 2.7 13.5 VARIABLE CALM TOTALS 12.6 28.3 30.6 15.9 6.2 2.0 8. 100.0 10.7 10.0

TOTAL NUMBER OF OBSERVATIONS 623

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

			T TO UT						MONTH	: MAY		s: 18-20	0	
DIRECTION (DEGREES)	1-4				WIND S	SPEED I	N KNOTS 30-34		40-49			TOTAL	MEAN WIND	MEDIA WIND
N) 350-010	.7	1.6	1.3	.3	•••••	• • • • • •	•••••	•••••		• • • • • •	• • • • • • •	3.9	8.9	8.5
020-040	.5	1.5	.7	.3								2.9	8.7	8.0
050-070	.7	.5	.2									1.3	4.6	4.5
E) 080-100	1.5	.8										2.3	4.0	4.0
110-130	1.0	.8	.3									2.1	4.9	5.0
140-160	1.3	2.6	.3	.3	.3							4.9	7.8	6.5
s) 170-190	3.3	7.6	5.9	3.1	.7	.2	.2					20.8	9.8	9.0
200-220	2.4	5.4	4.1	1.3	.2							13.3	8.8	8.0
230-250	2.0	2.9	.7	.2								5.7	6.4	6.0
W) 260-280	2.1	2.8	2.1									7.0	7.5	7.0
290-310	1.3	5.0	5.5	4.9	1.8	.5						19.0	12.4	12.0
320-340	1.1	3.7	2.6	3.1	1.5	.3						12.4	12.1	12.5
VARIABLE	 	• • • • •	•••••	•••••	• • • • • •	• • • • • •	•••••	•••••	•••••	• • • • • • •	• • • • • • •	•••••	•••••	.
CALM	////////	/////	//////	///////	//////	//////	///////	//////	///////	//////	////////	4.4	/////	(/////
TOTALS	17.9	35.2	23.7	13.5	4.5	1.0	.2					100.0	9.2	9.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N	AME: TO	NOPAH T	EST RAN	GE NV		MONTH	D OF RE	HOUR	JAN 83 - S: 21-23	3	10
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39				TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.3	2.1	1.1	******					• • • • • • •		•••••	4.6	6.9	6.0
020-040	.3	.7	.2	.2								1.3	7.4	6.5
050-070	.5											.5	2.3	2.0
(E) 080-100	1.0	.3	.2									1.5	4.6	4.0
110-130	2.6	3.3	.2									6.0	5.2	5.0
140-160	3.3	3.3	.7	.2								7.4	5.7	5.0
(S) 170-190	2.8	4.1	3.6	.7	.3	.2		.2				11.8	9.1	8.0
200-220	3.8	4.7	1.8	.7	.3							11.3	7.5	6.0
230-250	2.1	3.6	.8	.8								7.4	7.2	6.0
(W) 260-280	3.4	7.4	2.1	.3								13.2	6.9	7.0
290-310	5.1	7.8	4.2	1.8	.5							19.4	8.2	8.0
320-340	2.5	3.1	2.6	.5	.2							8.8	8.3	8.0
VARIABLE	<u> </u>	• • • • •				••••••	•••••						• • • • • •	
CALM	11111111	/////	//////	///////	//////	//////	//////	<i>'''''</i>	1111111	///////	///////	6.9	/////	//////
TOTALS	28.7	40.4	17.5	5.2	1.3	.2		.2				100.0	6.9	7.0
			TC	TAL NUM	BER OF	OBSERVA	TIONS	612						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N		NOPAH T	EST RAN	GE NV		PERIO MONTH	DO OF RE		JAN 83	- MAR 9	ю
DIRECTION			10-14			PEED IN 25-29	KNOTS				GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)	1	•••••	•••••	•••••	• • • • • • •	•••••	•••••		•••••	• • • • • •	•••••	%	WIND	WIND
(N) 350-010	1.7	2.1	1.3	.3			•••••		••••••	•••••		5.3	7.0	6.0
020-040	.8	.9	.5	.1								2.3	6.9	6.0
050-070	.8	.4	.1									1.3	4.2	4.0
(E) 080-100	1.2	.6	.1									2.0	4.4	4.0
110-130	1.7	2.2	.4	.0								4.4	5.6	5.0
140-160	2.1	2.9	.9	.3	.2	.0						6.4	7.2	6.0
(S) 170-190	2.1	3.8	4.0	2.1	1.0	.3	.1	.0				13.4	10.9	10.0
200-220	1.8	2.8	3.0	.9	.1	.1						8.7	9.1	9.0
230-250	1.5	2.4	.8	.3	.0	.0						5.0	6.9	6.0
(W) 260-280	2.9	4.1	2.2	.6	.2							10.0	7.5	7.0
290-310	3.6	5.9	5.2	2.4	1.1	.2	.0					18.5	9.9	9.0
320-340	2.6	3.5	2.7	1.9	.5	.1	.1	.0				11.4	9.9	9.0
VARIABLE		•••••	•••••	•••••					•••••	•••••		•••••	• • • • • •	• • • • • •
CALM	11111111	/////	///////	///////	//////	///////	///////	//////	///////	///////	///////	11.5	/////	'/////
TOTALS	22.8	31.6	21.2	8.9	3.1	.7	.2					100.0	7.7	8.0
			то	TAL NUM	BER OF	OBSERVA	TIONS	5015						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90

SIAITON NONDE	R. 167077	LST TO UTC	: + 8			•••••	MONTH:	MAY	HOURS	S: ALL	MAK Y	
CATEGORY A:			AND/OR					•		•-		
	VISIBILITY	GE 1/2 MILE	(0800 METE	RS) BUT L	ESS THAN	5 MILES	(4800	METERS	WITH C	EILING	GE 200	FEET.
DIRECTION	1-4	5-9 10-14		D SPEED I		35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)		••••••	•••••			•••••	• • • • • •	• • • • • •	•••••	*	WIND	WIND
(N) 350-010	1		••••••		· · · · · · · · ·	• • • • • • •	•••••	• • • • • • •	•••••	• • • • • • •	• • • • • •	• • • • • • •
020-040												
050-070												
(E) 080-100												
110-130	11.1									11.1	3.0	3.0
140-160												
(S) 170-190	11.1									11.1	1.0	1.0
200-220												
230-250	İ											
(W) 260-280		11.1								11.1	12.0	12.0
290-310			22.2 11	1.1						33.3	17.7	18.0
320-340												
VARIABLE	1	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • •		• • • • • • •	• • • • • • •		
CALM	/////////	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	///////////////////////////////////////	'/////////	/////////	///////	//////	///////	'/////	33.3	//////	/////
TOTALS	22.2	11.1	22.2 1	1.1						100.0	7.7	13.5

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STAT.JN NUMBE	R: 724844		ATION N		NOPAH TES	ST RANGE	. NV		MONTH	-	HOUR	JAN 83 S: 00-02		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	WIND SPI 20-24						GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	.9	.9	.4	.4	• • • • • • • •	• • • • • • •	••••	• • • • • •		• • • • • •	•••••	2.6	6.9	6.0
020-040	.4	.2										.5	4.0	2.0
050-070	.5	.4										.9	3.8	4.0
(E) 080-100	1.5	.5										2.0	3.6	3.0
110-130	2.6	2.0	.2									4.8	4.3	4.0
140-160	5.5	4.4	.5	.2	.4							11.0	5.6	4.5
(S) 170-190	4.9	2.0	.7									7.7	4.8	4.0
200-220	3.5	.9	.2									4.6	3.8	3.0
230-250	3.5	3.5	.2									7.1	4.9	5.0
(W) 260-280	3.7	10.6	3.3	.2								17.8	7.0	7.0
290-310	4.8	8.4	2.7	1.3								17.2	7.2	6.5
320-340	2.2	2.4	.5									5.1	5.4	5.0
VARIABLE	: 	• • • • •		• • • • • •	• • • • • • • •	• • • • • • •	••••	• • • • • •	•••••		•••••	• • • • • • •		•••••
CALM	////////	/////	//////	1111111	////////	////////	/////	//////	//////	///////	///////	18.7	/////	111111
TOTALS	34.0	36.2	8.7	2.1	.4							100.0	4.8	5.0
			TO	TAL NUM	BER OF O	BSERVATI	ONS	546						

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PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N	AME: TO	NOPAH T	EST RAN	IGE NV		PER I O	D OF RE		JAN 83 S: 03-0		O
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64		TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	2.1	.5	•••••	.5	• • • • • • •	•••••	•••••	******	• • • • • • •		••••••	3.1	5.6	3.0
020-040	.3	.2										.5	3.3	3.0
050-070	.7											.7	2.3	2.0
(E) 080-100	.7											.7	2.3	2.0
110-130	1.2	1.5	.7	.2								3.6	6.6	6.0
140-160	2.4	2.2	.2									4.8	5.0	4.5
(\$) 170-190	3.3	3.3	.5	.2								7.2	5.2	5.0
200-220	2.7	.9										3.6	3.6	4.0
230-250	3.3	2.4			.2							5.8	5.0	4.0
(W) 260-280	5.8	8.4	2.4									16.6	5.8	5.0
290-310	7.7	8.9	2.2	.3	.2							19.4	6.0	5.0
320-340	4.5	3.1	.7	.3								8.6	5.3	4.0
VARIABLE	<u> </u>	• • • • • •	•••••		• • • • • • •		• • • • • • •		• • • • • • •			•••••	• • • • • •	•••••
CALM	1111111	//////	//////	///////	''''	//////	///////	///////	//////	//////	///////	25.4	/////	111111
TOTALS	34.7	31.4	6.7	1.5	.4							100.0	4.1	5.0
			τo	TAL NUME	SER OF	OBSERVA	TIONS	583						

TOTAL NUMBER OF OBSERVATIONS 583

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PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUN HOURS: 06-08 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION TOTAL MEAN MEDIAN (DEGREES) % WIND WIND (N) 350-010 5.3 9.6 5.0 4.0 3.5 .2 020-040 .2 .2 4.0 3.4 2.0 .3 050-070 1.6 1.9 2.5 2.0 .5 (E) 080-100 2.6 3.0 3.1 3.0 110-130 4.8 2.2 .8 7.9 5.0 4.0 140-160 2.9 2.6 1.1 5.8 5.0 6.6 (S) 170-190 .8 1.0 .5 1.4 3.7 8.9 10.0 200-220 .2 1.0 .3 1.4 7.8 8.0 230-250 .5 .5 .3 1.3 5.8 6.0 .3 (W) 260-280 1.3 1.3 .6 .2 3.7 9.3 8.0 290-310 4.7 4.5 7.1 1.0 17.2 8.0 9.0 320-340 5.6 9.6 2.7 .2 .2 18.3 6.4 6.0 VARIABLE CALM TOTALS 32.8 27.5 15.7 2.2 .7 100.0 4.9 5.0

TOTAL NUMBER OF OBSERVATIONS 623

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N		NOPAH 1	EST RAN	IGE NV			DO OF RE	CORD : HOUR	JAN 83 S: 09-1		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	2.7	2.6	1.3	•••••		• • • • • • •	•••••	• • • • • • •	•••••		• • • • • • •	6.6	6.0	6.0
020-040	2.2	1.1	1.4	.2								5.0	6.6	6.0
050-070	1.0	.5										1.4	3.4	2.0
(E) 080-100	1.9	.6	.2									2.7	3.9	3.0
110-130	3.4	4.3		.3								8.0	5.2	5.0
140-160	1.9	5.4	5.0	1.3								13.6	9.0	9.0
(S) 170-190	2.2	5.4	5.8	1.8	.6	.2						16.0	10.0	10.0
200-220	1.3	3.5	3.0	.8								8.7	8.5	8.0
230-250	.6	1.4	1.0	.2								3.2	7.6	7.5
(W) 260-280	.8	1.6	.3	.2	.2							3.0	7.3	6.0
290-310	2.6	4.3	3.4	.8								11.1	8.1	8.0
320-340	3.5	3.2	2.4	.5								9.6	7.0	6.0
VARIABLE			• • • • • • •	• • • • • • •		• • • • • •	• • • • • •		•••••	•••••	• • • • • • •	•••••		•••••
CALM	///////	/////	//////	//////	//////	///////	//////	///////	///////	///////	///////	11.1	//////	/////
TOTALS	24.1	33.9	23.8	6.1	.8	.2						100.0	6.9	7.0
			то	TAL NUM	BER OF	OBSERVA	TIONS	624						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N	C: + 8		EST RAN			MONTI	OD OF RE	HOUR	JAN 83 S: 12-14		0
DIRECTION (DEGREES)	1-4	5-9	10-14		WIND S	SPEED IN	KNOTS			50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.8	2.1	1.3			•••••	•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	5.2	6.3	6.0
020-040	.6	2.1	.8									3.6	7.0	7.0
050-070	.3	.3	.3									1.0	6.8	6.5
(E) 080-100	1.3	1.3	1.3									3.9	7.1	6.0
110-130	.8	1.1	1.5	.5	.2							4.0	9.2	10.0
140-160	1.3	3.9	4.7	1.3	.3	.3						11.8	10.2	10.0
(S) 170-190	1.3	5.2	9.5	2.9	1.3	.5	.3					21.0	12.0	11.0
200-220	1.8	5.5	7.9	2.1	.6							18.0	10.2	10.0
230-250	1.5	3.1	2.(.2	.2							7.4	8.0	8.0
(W) 260-280	1.8	2.9	1.6	.3								6.6	7.1	6.0
290-310	1.0	3.2	2.6	.5								7.3	9.0	9.0
320-340	1.0	3.1	1.3	.8				.2				6.3	9.3	8.0
VARIABLE		•••••	•••••				•••••	• • • • • • • • • • • • • • • • • • • •		• • • • • • •		•••••	• • • • • •	
CALM	11111111	/////	//////	//////	//////	//////	//////	///////	//////	//////	///////	3.9	/////	111111
TOTALS	14.5	33.8	35.4	8.6	2.6	.8	.3	.2				100.0	9.2	9.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	618						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 HOURS: 15-17 MONTH: JUN WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION TOTAL MEAN MEDIAN (DEGREES) % WIND WIND (N) 350-010 1.0 1.0 .5 3.6 8.2 7.5 020-040 1.5 .8 .2 1.1 3.6 6.8 5.5 050-070 .7 .5 .2 .8 2.1 6.9 7.0 (E) 080-100 1.3 .2 .5 2.0 5.9 5.5 .7 110-130 .3 .7 .3 2.0 8.4 8.5 140-160 .5 3.9 3.9 .3 10.3 1.6 10.7 10.0 (S) 170-190 5.2 9.5 .7 2.0 1.3 23.1 4.4 11.8 12.0 2.3 6.7 200-220 8.7 .7 1.0 19.3 9.5 10.0 230-250 1.3 2.8 1.8 .3 6.2 8.1 8.0 (W) 260-280 2.3 2.9 1.5 .7 7.4 7.1 5.0 290-310 2.0 3.8 3.8 .8 .3 10.6 9.1 8.0 .7 .3 320-340 1.3 2.5 2.5 .2 7.4 9.5 9.0 VARIABLE CALM TOTALS 15.4 33.1 34.9 10.7 .9 100.0 2.9 9.3 10.0 TOTAL NUMBER OF OBSERVATIONS 611

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUN HOURS: 18-20 WIND SPEED IN KNOTS 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION TOTAL MEAN MEDIAN (DEGREES) % WIND WIND (N) 350-010 .2 1.5 2.4 1.2 5.3 6.0 .7 .3 020-040 1.9 1.0 3.9 6.0 6.4 050-070 .9 .7 .2 1.7 5.3 4.5 .7 (E) 080-100 .7 .5 1.9 6.0 6.9 .9 110-130 1.7 .2 2.7 5.6 5.5 .9 .9 140-160 4.6 2.4 8.7 8.7 8.0 (S) 170-190 2.7 9.4 7.5 2.0 .9 22,7 9.5 9.0 .2 8.5 7.5 200-220 3.6 1.4 21.0 8.5 8.0 230-250 1.9 .5 .2 2.4 5.1 5.0 .2 6.1 .5 .2 (W) 260-280 1.9 1.5 1.0 5.1 7.8 8.0 290-310 .9 3.2 2.9 1.9 .5 .2 9.6 11.0 10.0 320-340 1.5 1.9 1.0 7.8 12.0 1.2 2.2 12.0 VARIABLE CALM TOTALS 36.9 27.0 9.3 100.0 2.6 .6 8.4 8.0 TOTAL NUMBER OF OBSERVATIONS 586

C - 4 - 57

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PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUN HOURS: 21-23 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION TOTAL MEAN MEDIAN (DEGREES) % WIND WIND (N) 350-010 .9 1.2 2.7 6.7 6.5 020-040 1.4 .5 .3 .2 2.4 6.2 4.0 050-070 .5 .3 .9 4.4 4.0 1.7 (E) 080-100 .9 .9 4.0 4.0 110-130 3.1 2.4 .2 5.7 4.7 4.0 140-160 3.8 5.3 .9 .7 ٠2 10.8 6.6 6.0 (S) 170-190 5.2 6.9 3.1 .2 15.3 6.8 6.0 200-220 4.1 7.6 5.2 .7 17.7 .2 7.8 7.0 .9 3.6 230-250 2.1 6.5 6.2 6.0 (W) 260-280 2.6 8.1 2.9 .2 13.7 7.3 7.0 290-310 2.6 4.3 2.9 1.0 10.8 8.1 7.0 320-340 1.5 1.9 .7 1.0 5.2 8.3 6.5 VARIABLE CALM TOTALS 29.0 42.5 18.0 4.0 100.0 6.6 6.0

TOTAL NUMBER OF OBSERVATIONS 582

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUN HOURS: ALL WIND SPEED IN KNOTS DIRECTION | 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN (DEGREES) WIND % WIND (N) 350-010 1.8 .8 4.9 6.2 5.0 020-040 1.5 .9 .5 .1 .0 3.0 5.9 5.0 050-070 .8 .4 .1 .0 1.3 4.6 4.0 1.3 (E) 080-100 .7 .3 2.3 4.9 4.0 110-130 2.0 .5 .2 .0 4.9 5.8 5.0 2.1 140-160 2.3 4.1 2.4 .8 .1 .0 9.7 8.1 8.0 (S) 170-190 4.8 4.8 1.5 .5 .2 .0 9.6 9.0 2.7 14.7 4.3 .2 8.5 200-220 4.1 .8 11.8 8.0 2.4 .9 .0 230-250 2.4 . 1 .0 5.3 6.5 6.0 1.8 7.0 (W) 260-280 2.4 4.5 1.8 .3 .1 9.1 6.0 290-310 5.0 3.5 .9 .0 12.8 8.0 8.0 3.2 .1 320-340 .0 7.7 6.0 .7 .2 .0 8.6 2.6 3.5 1.7 VARIABLE CALM TOTALS 25.2 34.4 21.4 5.6 1.2 .2 100.0 6.8 7.0

TOTAL NUMBER OF OBSERVATIONS 4773

OPERATING LOCATION "A" USAFETAC, ASHEVILLE NC					PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS N FROM HOURLY OBSERVATIONS												US WI	ND SI	PEED										
STATION N	IUMBE	R:			LS	T	O UT	c:	+ 8											PERIOD MONTH:	JU	N		HOU	RS:	ALL		R 90	
CATEGORY			LING GI	E 2	00	BUT	LES	S T An	HAN D/O	1500 R) 1	FEE1	۲ 4)] TH	V	ISIB	11.17	TY G	ε	1/2 MI	LE	(08	00	MET	ERS) .			•••••
		VIS	IBILITY																	(4800				HTI	CE	ILING	GE :	200	FEET.
DIRECT	ION	 I	1-4			10	-14	15	- 19	WIN 20-	1D 9	SPEE 25	ED 5 - 2	IN	KN(30	01S -34	35	-39	4	0-49	50-	64	GE		•••	TOTAL	ME	AN J	MEDIAN
(DEGRE	ES)	ï	• • • • • •	• • •	•••	• • •	••••	•••	•••	• • • •	• • • •	• • • •	• • •	• • •		• • • •	• • •	• • • •	••	• • • • •	•••	• • •	• • •	•••	•••	····	WII	ND.	WIND
(N) 350-0	10	: 	••••	•••	•••	•••	• • • •	•••	•••	• • • • •	• • •		• • •	•••	••	• • • •	• • •	• • • •	• •	• • • • •	•••	• • •	•••	•••	•••		• • • •	• • • •	
020-0	40	Ì																											
050-0	70	Ì																											
(E) 080-1	00	Ì																											
110-1	30																												
140-1	60																												
(\$) 170-1	90																												
200-2	20																												
230-2	50																												
(W) 260-2	80																												
290-3	10																												
320-3	40																												
VARIAB	LE	<u> </u>	• • • • • •	• • •	•••	•••	• • • •	• • •	• • •	• • • • •	• • •			• • •	•••	• • • •	• • • •	• • • •	••	• • • • • •		•••	•••	• • •	• • •	• • • • •	••••	• • • •	• • • • •
CALM		//	//////	///	///	///	////	///	///	////	///	////	///	///	///	////	///	////	///	/////	///	///	///	///	/	.0	///	////	/////
TOTALS	;	1																										.0	.0
							TO	TAL	NU	MBER	OF	OBS	SER	EVAT	101	V S	()											

TOTALS

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

USAFETAG, ASI		FROM HOURET OBSERVATIONS													
STATION NUMBE	R: 724844		T TO UT	C: + 8		TEST RAN	MONTH	PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: JUL HOURS: 00-02							
DIRECTION (DEGREES)	1-4	5-9			WIND :	SPEED IN 25-29	KNOTS					TOTAL	MEAN WIND	MEDIAN WIND	
(N) 350-010	1.5	.4	.2		*****	• • • • • • • •		• • • • • • •	•••••	•••••	• • • • • • •	2.1	4.5	4.0	
020-040	.4	1.5										1.9	5.6	6.0	
050-070	.2	.4										.6	6.7	7.0	
(E) 080-100	2.5	1.9	1.1									5.5	5.8	5.0	
110-130	5.7	6.8	1.7									14.2	5.6	5.0	
140-160	6.8	8.0	.9									15.7	5.3	5.0	
(S) 170-190	6.3	4.5	.4									11.2	4.7	4.0	
200-220	5.3	1.5	.8									7.6	4.4	3.5	
230-250	2.8	.9	.6									4.4	5.1	4.0	
(W) 260-280	3.6	4.5										8.1	4.8	5.0	
290-310	3.0	5.1	1.1	.2								9.5	6.3	6.5	
320-340	2.5	1.9										4.4	4.6	4.0	
VARIABLE	: 	••••			•••••	• • • • • • •	• • • • • •	• • • • • • •		• • • • • •	• • • • • •	•••••	• • • • • •	•••••	
CALM	1111111111	/////	//////	///////	//////	///////	//////	///////	///////	//////	///////	15.0	/////	//////	

TOTAL NUMBER OF OBSERVATIONS 528

40.6 37.4 6.8 .2

C - 4 - 61

100.0 4.5 5.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUL HOURS: 03-05 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN DIRECTION (DEGREES) % WIND WIND (N) 350-010 1.7 .2 2.7 4.1 3.0 020-040 1.9 .7 2.6 3.1 2.0 050-070 1.0 .2 1.2 3.4 3.0 (E) 080-100 1.2 1.2 .5 2.9 5.8 5.0 110-130 3.9 1.7 .2 5.8 4.4 4.0 4.9 140-160 6.0 .5 11.4 4.9 4.0 2.9 (S) 170-190 5.8 .3 9.0 4.5 4.0 200-220 5.5 1.2 .2 .2 7.0 3.7 3.0 230-250 .5 .2 3.2 2.6 3.8 3.0 (W) 260-280 4.8 1.9 .5 .2 7.3 4.4 4.0 290-310 1.2 11.2 4.6 5.5 5.5 5.0 320-340 3.2 1.4 4.6 3.7 4.0 VARIABLE CALM TOTALS 42.2 23.0 3.8 .4 100.0 3.1

TOTAL NUMBER OF OBSERVATIONS 587

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUL HOURS: 06-08

		r 2	10 01	C: + 8					MONTE	i: JUL	HOUR	S: 06-08	3	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	4.0	1.7	.3	.2	•••••		• • • • • •	• • • • • • •	• • • • • • •	•••••	• • • • • • •	6.2	4.4	4.0
020-040	2.6	.2										2.8	2.6	2.5
050-070	1.1	.3										1.4	3.7	2.0
(E) 080-100	3.6	1.1	.5									5.1	4.0	3.0
110-130	5.6	5.4	1.1	.5								12.5	5.5	5.0
140-160	4.6	3.3	1.1	.5	.2							9.6	5.8	5.0
(S) 170-190	2.5	1.5	1.9	.9	.2							7.0	8.2	8.0
200-220	.8	.8	.8									2.3	7.1	6.0
230-250	.5	.5	.3	.2								1.4	8.0	7.0
(W) 260-280	.8	.5	.5	.2								1.9	7.2	5.5
290-310	3.9	3.4	2.3		.2	.2						9.9	6.8	6.0
320 340	5.1	3.6	.6									9.3	4.6	4.0
VARIABLE	<u>.</u>		• • • • • • • •		•••••		• • • • • •		•••••		• • • • • •			
CALM	1111111	//////	///////	///////	//////	//////	//////	///////	///////	///////	//////	30.7	/////	'/////
TOTALS	35.1	22.3	9.4	2.5	.6	.2						100.0	3.9	4.0
			TC	TAL NUM	IBER OF	OBSERVA	TIONS	646						

TOTAL NUMBER OF OBSERVATIONS 646

VARIABLE

26.0 33.4 19.9

CALM TOTALS

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: JUL HOURS: 09-11 LST TO UTC: + 8 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION TOTAL MEAN MEDIAN (DEGREES) % WIND WIND (N) 350-010 1.7 .5 5.0 1.7 4.1 6.0 .5 2.0 2.5 2.7 020-040 2.0 1.9 2.6 050-070 1.9 3.0 (E) 080-100 3.3 .8 .3 4.4 4.0 4.0 2.2 .3 10.0 6.3 5.0 110-130 4.2 3.1 .2 .5 .9 8.2 140-160 2.2 12.8 6.0 2.7 6.4 .2 10.4 (S) 170-190 3.3 5.9 6.6 2.3 1.6 19.9 10.0 .2 200-220 6.3 5.3 14.2 9.0 9.0 2.3 4.5 8.6 9.0 230-250 .3 1.6 .3 .2 (W) 260-280 .8 1.1 .2 2.2 6.6 5.5 .8 .3 5.5 6.5 290-310 2.2 2.2 5.0 320-340 2.3 3.1 .5 5.9 5.4 5.0

TOTAL NUMBER OF OBSERVATIONS 639

3.2

5.3

C - 4 - 64

100.0

6.8

6.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

USAFETAC, ASH	EVILLE NC					FROM HO	URLY OF	SSERVATI	ONS					
STATION NUMBE	R: 724844		ATION N			TEST RAN			MONTH	l: JUL	CORD: HOUR	JAN 83 S: 12-1		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	WIND	SPEED IN 25-29	KNOTS				GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.1	.8	.5	• • • • • • •	•••••		• • • • • •	• • • • • • •	• • • • • • •	•••••	• • • • • • •	2.4	5.9	5.0
020-040	1.3	.6		.2								2.0	4.8	4.0
050-070	1.1	.8										1.9	4.3	4.0
(E) 080-100	.9	.3	.2									1.4	4.7	3.0
110-130	1.3	2.7	1.7	.3	.3							6.3	8.0	8.0
140-160	1.7	3.8	2.5	1.3	1.3							10.5	10.3	9.0
(\$) 170-190	1.4	7.7	9.9	4.9	2.5	.6						27.0	11.8	10.0
200-220	1.7	7.7	9.7	2.8	.5							22.5	9.9	10.0
230-250	2.4	3.5	4.4	.3	.2							10.7	8.2	9.0
(W) 260-280	2.2	1.9	.5	.2	.2							4.9	6.6	5.0
290-310	1.3	3.0	.6	.3	.2							5.3	7.2	6.0
320-340	.8	1.6	.3									2.7	6.0	6.0
VARIABLE	<u>.</u>			• • • • • • • •	• • • • • •		• • • • • •			•••••		• • • • • •	• • • • • •	•••••
CALM	////////	/////	///////	///////	//////	///////	//////	(//////	(//////	//////	////////	2.4	/////	//////
TOTALS	17.2	34.4	30.3	10.3	5.2	.6						100.0	9.1	9.0
			TO	TAL NUM	IBER OF	OBSERVA	TIONS	636						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844	STATION NAME: TONOPAH TEST RANGE NV	PERIOD OF RECORD: JAN 83 - MAR 90
	EST TO LITC: + 8	MONTH - IIII HOURS - 15-17

		LS	t to ut	C: + 8					MONTH	I: JUL	HOUR	s: 15-1	7	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.3	.8	••••	.2	.2		•••••	•••••	• • • • • • •	• • • • • • •	•••••	2.4	6.5	4.0
020-040	.3	.6	.8	.2								1.9	8.9	9.0
050-070	.9	.6	.3		.2							2.0	6.8	5.0
(E) 080-100	.3	.3	.3	.2								1.1	8.4	7.0
110-130	.6	2.0	.9	.6								4.3	8.7	7.0
140-160	1.4	3.1	2.7	1.1	1.3	.2						9.8	11.0	10.0
(S) 170-190	1.6	6.5	11.5	6.0	1.7	.2						27.4	11.8	12.0
200-220	2.0	6.9	11.0	3.1	.3	.2						23.6	10.1	10.0
230-250	8.	5.5	3.5	.5								10.2	8.3	8.0
(W) 260-280	1.1	3.0	1.3	.3								5.7	7.6	6.0
290-310	.9	1.6	1.4	.9	.2							5.0	9.5	9.0
320-340	1.1	1.1	1.4	.5			.2					4.3	9.0	8.0
VARIABLE	<u> </u>	• • • • • •	• • • • • • • •							•••••	•••••	• • • • • • •		•••••
CALM	1111111	//////	///////	//////	//////	(//////	//////	///////	///////	//////	///////	2.4	/////	'/////
TOTALS	12.3	32.0	35.1	13.6	3.9	.6	.2					100.0	9.8	10.0
			TC	TA: NIB	IRER OF	OBSERVA	ZIONS	635						

TOTAL NUMBER OF OBSERVATIONS 635

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: JUL HOURS: 18-20

		LS	זט סד ד	C: + 8					MONTH	1: JUL	HOUR	s: 18-2	0	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	.7	2.4	1.4	.3	.2	• • • • • • • •	• • • • • •	•••••		• • • • • • •	• • • • • • •	4.9	8.4	6.0
020-040	8.	1.5	.7									3.0	6.7	6.0
050-070	.3		.2									.5	6.0	4.0
(E) 080-100	.7	.3	.2		.2							1.4	6.9	5.0
110-130	1.2	1.2	1.4	.7								4.4	8.7	9.0
140-160	.8	3.5	2.7	1.2	.2							8.4	9.7	9.0
(S) 170-190	2.2	14.4	10.1	2.0	.3							29.1	9.1	9.0
200-220	1.9	10.1	6.4	.8								19.3	8.4	8.0
230-250	1.9	4.1	2.4	.5								8.8	7.7	7.0
(W) 260-280	1.2	1.4	1.2	.3								4.1	7.5	6.0
290-310	1.2	2.0	2.2	.3								5.7	8.5	8.0
320-340	1.2	2.4	2.7	.5	.2							6.9	9.3	9.0
VARIABLE	<u>.</u>	• • • • • •	•••••	• • • • • •	• • • • • •	• • • • • • • •	• • • • • •		•••••		•••••	•••••		
CALM	1111111	//////	//////	//////	//////	'///////	//////	///////	///////	///////	//////	3.5	//////	111111
TOTALS	14.1	43.3	31.6	6.6	1.1							100.0	8.3	8.0
			TO	TAL NUM	BER OF	OBSERVAT	IONS	592						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N	AME: TO	NOPAH T	EST RAN	IGE NV			D OF RE		JAN 83 S: 21-23		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39			GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.5	1.7	.7		• • • • • • •		• • • • • • •	••••••	•••••	•••••		3.9	6.5	6.0
020-040	.7	1.4	.7	.2								2.9	7.4	6.0
050-070	.7	.7										1.4	4.6	5.0
(E) 080-100	1.0	1.9										2.9	5.1	5.0
110-130	2.4	7.7	1.0		.2							11.3	6.6	6.0
140-160	2.9	7.2	1.4		.2							11.6	6.6	6.0
(S) 170-190	3.3	9.6	2.4	.2								15.4	6.9	7.0
200-220	3.4	8.0	4.6	.2								16.3	7.3	6.0
230-250	2.7	3.4	1.4	.2								7.7	6.4	5.0
(W) 260-280	1.0	2.6	1.0									4.6	6.9	7.0
290-310	1.7	5.0	2.6	.2								9.4	7.6	8.0
320-340	1.4	2.7	.9	.2								5.1	6.7	6.5
VARIABLE	·	•••••	•••••	•••••	• • • • • •	•••••	• • • • • •	•••••				• • • • • • • •		• • • • • • •
CALM	,,,,,,,,	//////	//////	//////	//////	1111111	//////	'''''	///////	//////	///////	7.4	/////	//////
TOTALS	22.7	51.9	16.7	1.2	.4							100.0	6.3	6.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	584						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUL HOURS: ALL

DIRECTION		 5-9	10-14	15-19	WIND S 20-24	PEED IN 25-29	KNOTS 30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)		• • • • • •	• • • • • •	• • • • • •	· · · · · · ·	• • • • • •	• • • • • •		•••••	• • • • • • •	•••••	***************************************	WIND	WIND
(N) 350-010	1.7	1.3	.4	.1	.0	• • • • • •	• • • • • •			•••••		3.6	5.9	5.0
020-040	1.3	.8	.3	.1								2.5	5.1	4.0
050-070	.9	.4	.1		.0							1.4	4.5	4.0
(E) 080-100	1.7	.9	.4	.0	.0							3.1	5.1	4.0
110-130	3.1	3.8	1.3	.3	.1							8.5	6.4	5.0
140-160	3.3	5.0	1.8	.6	.5	.0						11.2	7.6	6.0
(S) 170-190	3.2	6.6	5.5	2.1	.8	.1						18.4	9.5	9.0
200-220	2.6	5.4	5.0	1.1	.1	.0						14.2	8.5	8.0
230-250	1.7	2.6	1.8	.2	.0							6.4	7.4	7.0
(W) 260-280	1.9	2.0	.6	.1	.0							4.7	6.2	5.0
290-310	2.3	3.4	1.5	.2	.1	.0						7.6	7.0	6.0
320-340	2.2	2.2	.8	.1	.0		.0					5.4	6.1	5.0
VARIABLE	<u></u>	• • • • • •			• • • • • • •		• • • • • •	• • • • • • •	•••••	• • • • • • •		•••••	• • • • • •	
CALM	1111111	//////	//////	///////	///////	1111111	/////	//////	///////	//////	///////	13.0	/////	//////
TOTALS	25.9	34.4	19.5	4.9	1.6	.1						100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 4847

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OPERATING LOC USAFETAC, ASH			PERCEN	ITAGE	FREQUE				CE SUR SERVAT		WIND	DIRE	CTIO	N VER	RSUS WIR	ID SPEE	D
STATION NUMBE		LST 1	ION NAM	: + 8						MC	ONTH:	JUL		HOURS	IAN 83 -		0
•••••	• • • • • • • • • •	•••••	• • • • • •	• • • • •	•••••	••••	• • • • •	• • • • •	• • • • • •	• • • • •	• • • • •	• • • • •	• • • •	• • • • •	• • • • • •	• • • • • •	• • • • • • •
CATEGORY A:				AND/OR						-					. •		
	VISIBILITY	GE 1/2	MILE (0800	METERS) BUT	LESS	THAN	3 MIL	.ES (4	4800 (METER	S) W	ITH C	EILING	GE 200	FEET.
•••••	•••••	• • • • • • •	• • • • • •		WIND	SPEED	IN K	NOTS	• • • • • •	••••	• • • • •	• • • • •	• • • •	• • • • •	•••••	• • • • • •	• • • • • • • •
DIRECTION																MEAN	MEDIAN
(DEGREES)															%	WIND	WIND
(N) 350-010		• • • • • • •	• • • • • •	• • • • •		••••		••••	•••••	••••	• • • • •		• • • •				• • • • • • •
020-040	<u> </u>																
050-070																	
(E) 080-100																	
110-130	İ																
140-160																	
(S) 170-190	ļ																
200-220																	
230-250																	
(W) 260-280	ļ																
290-310	!																
320-340																	
VARIABLE	: 		• • • • • •	••••	• • • • •	• • • • •	• • • • •	••••	• • • • •		• • • • •		• • • •	• • • • •	• • • • • •	•••••	
CALM	,,,,,,,,,	(111111)	111111	11111	,,,,,,	/////	11111	11111	111111	/////	/////	/////	////	////	.0	//////	/////
TOTALS																.0	.0
			TOT 4			0005	-01/47	0110	•								

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.0	•••••		• • • • • •		•••••	• • • • • • •	• • • • • • •	•••••	• • • • • •	• • • • • •	1.2	4.0	3.0
020-040	1.4		.2									1.5	3.8	3.0
050-070	.5	.3										.9	4.2	4.0
(E) 080-100	j .9	1.2										2.1	4.6	5.0
110-130	6.4	6.7										13.1	4.7	5.0
140-160	7.7	7.9	.3									16.0	4.6	5.0
(S) 170-190	7.2	5.2	.2									12.6	4.2	4.0
200-220	5.2	2.2	.5	.2										
	İ											8.1	4.3	3.0
230-250	3.8	2.1	.2									6.0	4.0	4.0
(W) 260-280	3.4	2.6	.2									6.2	4.4	4.0
290-310	4.0	1.4	.5									5.9	4.1	3.5
320-340	3.1	.7	.3									4.1	3.7	3.0
VARIABLE	! 	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • •	•••••	•••••	• • • • • • •	•••••	•••••	•••••	•••••	• • • • • • •	
CALM	////////	/////	//////	//////	//////	///////	//////	//////	//////	//////	//////	/ 22.4	//////	/////
TOTALS	44.6	30.3	2.6	.2								100.0	3.4	4.0
			TO	TAI NUM	RER OF	ORSERVA	TIONS	581						

TOTAL NUMBER OF OBSERVATIONS 581

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH T

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: AUG HOURS: 03-05

									MONTE		,,,,,,,	3, 03-0.	, 	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.3	• • • • • •	• • • • • • •	•••••	• • • • • •	• • • • • • •		• • • • • • •	•••••	•••••	• • • • • • • •	1.3	2.3	2.0
020-040	.3	.2	.2									.6	6.3	6.0
050-070	.6	.3										.9	3.2	2.5
(E) 080-100	1.1	.2										1.3	2.6	2.0
110-130	2.7	2.1	.3									5.1	4.6	4.0
140-160	7.3	5.7	.2									13.1	4.3	4.0
(S) 170-190	7.0	3.3	.2									10.4	4.2	4.0
200-220	2.8	1.4										4.3	3.9	4.0
230-250	3.8	.6										4.4	3.0	3.0
(W) 260-280	7.4	1.7	.2									9.3	3.5	3.0
290-310	7.0	2.7	.3									10.0	4.1	4.0
320-340	3.8	.8										4.6	2.9	2.0
VARIABLE	: 	• • • • • •	• • • • • • •		• • • • • •	•••••	• • • • • •			•••••	• • • • • •	• • • • • •	• • • • • •	•••••
CALM	11111111	//////	//////	//////	//////	'//////	//////	'//////	///////	//////	///////	34.7	/////	//////
TOTALS	45.1	19.0	1.4									100.0	2.5	4.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	632						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: AUG HOURS: 06-08

		LS	1 10 01	U: + 8				MONTH	: AUG	HOUR	S: 06-08	3	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	WIND SPEED IN 20-24 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	4.9	.9	.2		•••••••	• • • • • •	•••••	•••••	•••••	•••••	6.0	3.2	2.0
020-040	3.7		.2	.2							4.0	3.0	2.0
050-070	1.4										1.4	2.8	3.0
(E) 080-100	2.6	.6									3.2	3.1	3.0
110-130	7.4	4.9									12.3	4.2	4.0
140-160	6.8	4.9	1.1								12.8	5.2	4.0
(S) 170-190	1.7	1.7	.9	.2							4.5	6.1	6.0
200-220	1.4	.6		.2							2.2	5.3	4.0
230-250	.5	.2									.6	3.5	2.0
(W) 260-280	2.3	.6	.2	.3							3.4	4.8	2.0
290-310	2.3	1.1	.9	.2							4.5	5.9	4.0
320-340	4.6	.3									4.9	2.7	2.0
VARIABLE	: 	• • • • • •	•••••	• • • • • • •	•••••••	• • • • • •	• • • • • • •	•••••	• • • • • • •	•••••	• • • • • • •		
CALM	1111111	//////	//////	//////	///////////////////////////////////////	//////	///////	1111111	//////	//////	40.3	/////	111111
TOTALS	39.6	15.8	3.5	1.1							100.0	2.6	3.5
			TO	TAL NUM	BER OF OBSERVAT	TIONS	650						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME:

STATION NAME: TONOPAH TEST RANGE NV

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: AUG HOURS: 09-11

		LS	T TO UT	C: + 8					MONTH	: AUG	HOUR	s: 09-1	ł	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	2.0	.9	.5	• • • • • •	•••••		•••••	•••••				3.4	4.8	4.0
020-040	1.4	.2										1.5	2.5	2.0
050-070	2.2	.3										2.5	2.6	2.0
(E) 080-100	3.1	1.4										4.5	3.7	3.0
110-130	6.2	5.2	.6									12.0	5.0	4.0
140-160	4.8	5.7	1.9	.6	.2							13.1	6.5	6.0
(S) 170-190	3.9	8.5	8.0	2.3	.3							23.0	9.1	9.0
200-220	2.0	6.5	2.3	.3	.2							11.3	7.3	6.0
230-250	1.4	.8	.2									2.3	4.7	4.0
(W) 260-280	1.2	.9	.5	.3								2.9	6.7	5.0
290-310	1.7	.6	.3									2.6	4.7	4.0
320-340	2.6	.9	.8									4.3	4.8	3.5
VARIABLE				•••••	•••••		•••••	• • • • • • • •	• • • • • • •			•••••		•••••
CALM	11111111	//////	//////	//////	//////	///////	//////	///////	///////	//////	///////	16.5	/////	//////
TOTALS	32.5	31.9	15.1	3.5	.7							100.0	5.4	6.0
			TC	STAL NUR	IBER OF	OBSERVA	TIONS	648						

c - 4 - 74

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: AUG HOURS: 12-14 WIND SPEED IN KNOTS DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN (DEGREES) WIND % WIND (N) 350-010 1.4 .5 1.8 3.3 3.0 .3 020-040 .6 .9 3.8 4.0 050-070 .8 .3 .2 1.2 4.5 4.0 (E) 080-100 1.7 .8 .5 2.9 4.7 4.0 110-130 2.3 2,8 .6 5.7 5.7 5.0 140-160 3.1 5.7 2.3 .2 11.2 6.7 6.0 (S) 170-190 3.2 10.0 13.4 6.0 .6 33.2 10.4 10.0 200-220 2.0 6.8 9.5 1.7 -6 20.6 9.8 10.0 230-250 1.8 3.1 2.2 .2 7.2 6.9 6.0 (W) 260-280 .8 1.7 .5 .6 3.5 8.7 8.0 290-310 .8 1.8 .6 .2 3.4 6.9 6.0 320-340 1.1 1.4 .8 3.2 6.4 6.0 VARIABLE CALM TOTALS 19.6 35.2 30.7 8.8 1.2 100.0 8.1 8.0 TOTAL NUMBER OF OBSERVATIONS 650

C - 4 - 75

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PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 HOURS: 15-17 LST TO UTC: + 8 MONTH: AUC WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN DIRECTION (DEGREES) % WIND WIND (N) 350-010 .5 4.0 4.0 020-040 .2 .3 1.2 .2 1.8 5.6 3.5 050-070 1.1 .6 .2 1.8 5.3 4.0 (E) 080-100 .6 .6 .3 .2 1.7 6.2 5.0 110-130 2.0 1.8 1.5 .2 .5 6.0 7.8 6.0 140-160 2.0 3.4 2.9 .8 9.1 8.4 8.0 (S) 170-190 2.6 8.0 13.1 5.1 .5 29.2 10.0 10.6 200-220 3.2 6.9 11.7 1.7 .2 23.7 9.5 10.0 230-250 1.5 3.8 1.4 .3 .2 7.2 7.4 7.0 (W) 260-280 7.0 1.5 2.6 1.4 .2 .2 5.8 7.4 290-310 1.1 1.4 1.2 .2 .6 4.5 8.9 7.0 320-340 1.5 1.8 .8 .5 5.2 8.5 6.0 VARIABLE CALM TOTALS 18.6 31.3 34.6 9.9 2.5 100.0 8.7 9.0

TOTAL NUMBER OF OBSERVATIONS 650

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 NONTH: AUG HOURS: 18-20

• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	UIND S	SPEED IN	KNOTS	•••••	•••••	•••••	•••••	• • • • • • •	• • • • • •	•••••
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		25-29		35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.5	1.5	.7	.2		• • • • • • •	•••••	•••••	•••••		•••••	2.9	8.0	8.0
020-040	1.9	.3	.5	.2								2.9	5.9	4.0
050-070	.7	.7	.3	.2								1.9	6.8	8.0
(E) 080-100	.3	.7	.5	.2								1.7	8.4	7.5
110-130	1.3	2.7	.5									4.6	5.5	5.0
140-160	2.2	4.4	2.2	.5								9.3	7.5	7.0
(S) 170-190	3.7	16.7	9.3	1.7								31.4	8.5	8.0
200-220	4.0	13.0	3.5	1.0								21.6	7.1	7.0
230-250	1.7	3.4										5.1	5.9	6.0
(W) 260-280	1.9	2.7	.8									5.4	5.9	5.0
290-310	2.5	1.3	1.5	.5	.2							6.1	7.7	7.0
320-340	1.3	1.0	.5	.5								3.4	7.2	6.0
VARIABLE	 • • • • • • • • • • • • • • • • • • •											• • • • • • •		• • • • • • • • • • • • • • • • • • • •
	i													
CALM	////// 	//////	7//////	1111111	1/////	(//////	//////	'//////	'//////	'//////	'//////	4.0	1/1///	'/////
TOTALS	22.0	48.4	20.3	5.0	.2							100.0	7.1	7.0
								507						

TOTAL NUMBER OF OBSERVATIONS 593

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION No ABER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: AUG HOURS: 21-23

		r3	יט טו	U: 7 0					MONTH	I: AUG	HOUR	5: 21-2	•	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.4	.9	.5	*****	•••••	• • • • • • •	•••••		•••••	•••••	• • • • • • •	2.7	5.7	5.0
020-040	1.5	.3	.2	.2	.3							2.6	7.1	3.0
050-070	1.4	.2										1.5	3.3	3.0
(E) 080-100	2.1	1.0										3.1	3.9	3.5
110-130	5.8	6.5	.5									12.8	5.0	5.0
140-160	7.7	8.6	2.7	.2								19.2	5.9	5.0
(S) 170-190	3.4	9.1	1.5	.2								14.2	6.3	6.0
200-220	4.3	8.0	3.3		.2							15.8	7.0	6.0
230-250	2.9	1.5	.2									4.6	4.3	4.0
(W) 260-280	3.4	2.7	.5	.2								6.8	5.4	4.5
290-310	1.4	2.6	.2									4.1	5.4	5.5
320-340	1.5	1.4	.3									3.3	4.8	5.0
VARIABLE	: 	• • • • • •	•••••	•••••	•••••		• • • • • •			*****	• • • • • • •	• • • • • •	• • • • • •	•••••
CALM	1111111	//////	//////	///////	//////	///////	//////	(//////	///////	//////	'//////	9.2	/////	//////
TOTALS	36.8	42.8	9.9	.8	.5							100.0	5.2	5.0
			TO	TAI NUM	RER OF	ORSERVA	TIONS	584						

TOTAL NUMBER OF OBSERVATIONS 584

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 LST TO UTC: + 8 MONTH: AUG HOURS: ALL WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN (DEGREES) | WIND MIND (N) 350-010 .2 .0 1.6 .6 2.5 4.5 3.0 020-040 1.5 .2 .2 .1 .1 2.0 4.6 3.0 050-070 1.1 .3 .1 .0 1.5 4.1 3.0 (E) 080-100 1.6 .8 .2 .0 2.6 4.4 3.5 110-130 4.3 4.0 .5 .0 . 1 8.9 5.1 5.0 140-160 5.2 5.7 1.7 .3 .0 12.9 5.9 5.0 (S) 170-190 4.0 7.7 5.9 2.0 .2 19.9 8.6 8.0 200-220 3.1 5.6 3.9 .6 .1 13.4 7.8 8.0 230-250 2.1 1.9 .5 . 1 .0 4.7 5.5 5.0 (W) 260-280 2.7 1.9 .5 .2 .0 5.4 5.5 4.0 290-310 2.6 1.6 .7 .2 .0 5.1 5.7 4.0 320-340 2.5 1.0 .1 .1 5.1 4.0 VARIABLE CALM TOTALS 32.3 31.3 14.8 3.6 100.0 6.0

TOTAL NUMBER OF OBSERVATIONS 4988

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90

MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

	VISIBILIT	Y GE 1/2		(0800	METERS)	BUT L	LESS THAN	3 MILE	s (4800	METERS	HTIW (CEILING	GE 200	FEET.
DIRECTION		5-9 1	0-14	 15-19			IN KNOTS 2 30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)							• • • • • • • •					%	WIND	WIND
(N) 350-010		• • • • • • •	•••••			•••••	• • • • • • • •	• • • • • •		• • • • • • •	•••••	•••••	• • • • •	•••••
020-040	1													
050-070														
(E) 080-100		33.3										33.3	6.0	6.0
110-130														
140-160	33.3											33.3	4.0	4.0
(S) 170-190														
200-220	Ì													
230-250														
(W) 260-280														
290-310														
320-340	33.3											33.3	2.0	2.0
VARIABLE	.; 	• • • • • • •		• • • • •	•••••		• • • • • • • •	• • • • • • •		•••••	•••••		• • • • • •	
CALM	////////	(///////	//////	//////	//////	/////	,,,,,,,,	///////	///////	//////	///////	.0	/////	'/////
TOTALS	66.6	33.3										100.0	4.0	4.0
							_	_						

TOTAL NUMBER OF OBSERVATIONS 3

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER	R: 724844		ATION NA		OPAH TEST RAI	NGE NV		MONTH	: SEP		s: 00-0		סי
DIRECTION (DEGREES)	1-4	5-9	10-14		WIND SPEED 11 20-24 25-29					GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	.5	.5	•••••		•••••	• • • • • • •	•••••	•••••	•••••	• • • • • • •	1.0	5.3	5.0
020-040	.2										.2	2.0	2.0
050-070	.7	.3									1.0	3.7	3.5
(E) 080-100	.7	.5									1.2	4.7	4.0
110-130	2.6	1.6	.2								4.4	4.5	4.0
140-160	7.3	6.3	.7	.7	.2						15.2	5.4	5.0
(S) 170-190	8.2	3.1	1.2								12.6	4.4	4.0
200-220	2.4	1.2									3.7	3.6	3.0
230-250	2.6	.7	.3								3.7	3.9	2.0
(W) 260-280	5.4	6.3	1.4								13.1	5.4	5.0
290-310	4.9	5.1	1.7	.2							11.9	6.2	6.0
320-340	2.4	2.4	.7								5.6	5.3	5.0
VARIABLE	! [• • • • •	• • • • • • • • • • • • • • • • • • • •		••••••	•••••	•••••	• • • • • •	• • • • • •		• • • • • • •	• • • • • •	
CALM	////////	/////	//////	////////	,,,,,,,,,,,,	///////	///////	///////	//////	///////	26.5	11111	(11111
TOTALS	37.9	28.0	6.2	.9	.2						100.0	3.7	4.0
			то	TAL NUMB	ER OF OBSERV	ATIONS	573						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N		NOPAH T	EST RAN	GE NV		PERIO MONTH	D OF RE		JAN 83 S: 03-0		0
•••••	• • • • • • • • •	• • • • • •	• • • • • •	•••••		PEED IN		•••••	*****	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.1	.5	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •		•••••		•••••	1.6	3.0	2.0
020-040	.5											.5	2.3	2.0
050-070	.7											.7	2.5	2.0
(E) 080-100	.5	.2										.7	2.5	2.0
110-130	1.5	1.0	.3									2.8	5.4	4.0
140-160	5.4	3.7	.5	.2								9.8	4.8	4.0
(S) 170-190	5.0	1.5	1.3	.2								8.0	4.9	4.0
200-220	3.1	.8	.3									4.2	3.8	3.5
230-250	2.9	.8										3.7	3.4	3.0
(W) 260-280	7.8	4.1	1.0	.2								13.0	4.5	4.0
290-310	9.6	5.7	2.1									17.4	5.2	4.0
320-340	2.6	2.1										4.7	4.7	4.0
VARIABLE	! • • • • • • • • • • • • • • • • • • •	· • • • • •	• • • • • •						• • • • • • •		• • • • • • •			• • • • • •
CALM	<i> </i>	11111	//////	//////	//////	1111111	111111	11/1///	1111111	//////	///////	55.0	111111	/////
TOTALS	40.7	20.4	5.5	.6								100.0	3.1	4.0
			10	TAL NUM	BER OF	OBSERVA	TIONS	615						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N		HAGON	TEST RAN	IGE NV			OD OF RE		JAN 83 8: 06-0		90
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	4.3	1.9	.2	•••••		• • • • • •	******				• • • • • • •	6.4	3.8	3.5
020-040	1.3	.2										1.4	2.7	2.0
050-070	.6	.2										.8	2.8	2.0
(E) 080-100	1.4	.3										1.8	3.2	2.0
110-130	4.6	2.4	.6									7.7	4.6	4.0
140-160	3.8	1.6	.8									6.2	5.2	4.0
(S) 170-190	1.6	.8	1.0	.5	.2	.2						4.1	8.3	6.0
200-220	.6	.2	.2									1.0	5.7	3.5
230-250	1.3											1.3	2.4	2.0
(W) 260-280	3.5	1.4	.6	.3	.2							6.1	5.8	4.0
290-310	6.2	5.3	2.4									13.9	5.6	5.0
320-340	5.9	4.3	1.0									11.2	4.9	4.0
VARIABLE	<u>.</u> 	• • • • •			•••••	• • • • • • •	•••••	•••••				•••••	• • • • • • •	•••••
CALM	////////	/////	//////	//////	//////	///////	//////	///////	///////	//////	///////	38.3	/////	111111
TOTALS	35.1	18.6	6.8	.8	.4	.2						100.0	3.1	4.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	627						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: SEP HOURS: 09-11

		ra	וט טו	L: 7 0					MONIT	I: SEP	HUUK	5: UY-1	'	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN UND
(N) 350-010	4.7	3.6	.3	•••••	•••••	•••••	• • • • • •	• • • • • • •		•••••	•••••	8.7	4.5	4.0
020-040	2.9	.2										3.1	2.8	2.0
050-070	1.3	.3										1.6	3.1	2.0
(E) 080-100	1.8	1.3										3.1	3.8	4.0
110-130	4.4	4.2	.8	.2								9.6	5.4	5.0
140-160	2.5	3.1	2.3	.7								8.5	7.5	7.0
(S) 170-190	1.0	7.0	6.4	2.3	.5		.2	.2				17.5	10.6	10.0
200-220	.3	1.0	2.1	.5								3.9	10.0	10.5
230-250	.5	.3	.3									1.1	5.7	5.0
(W) 260-280	.7	.7	.8	.3								2.5	8.5	7.0
290-310	2.6	2.9	2.6									8.2	6.8	6.0
320-340	5.2	7.5	2.3	.2								15.2	6.2	6.0
VARIABLE	· · · · · · · · · · · · · · · · · · ·		•••••	•••••	•••••		• • • • • •			• • • • • •	•••••	• • • • • • •	• • • • • •	
CALM	1111111	((((((,,,,,,,	///////	///////	######	///////	1111111	111111	1111111	1111111	17.0	/////	/////
TOTALS	27.9	32.1	17.9	4.2	.5		.2	.2				100.0	5.8	6.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	612						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N		NOPAH 1	EST RAN	GE NV			DO OF RE		JAN 83 - S: 12-14		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIA WIND
(N) 350-010	3.2	2.2	.3	• • • • • • •	• • • • • • •	•••••	• • • • • •	•••••	• • • • • • • •	••••••	• • • • • • • •	5.8	4.7	4.0
020-040	2.2	.8	.5	.2								3.7	4.8	4.0
050-070	.3	.6	.5									1.4	6.6	5.0
(E) 080-100	1.3	1.0	.2									2.4	5.3	4.0
110-130	1.6	2.6	.5									4.6	6.0	6.0
140-160	2.9	3.0	3.2	.3	.5							9.9	8.1	7.0
(s) 170-190	1.6	6.2	9.3	4.3	1.6	.2	.2					23.4	11.6	10.5
200-220	1.6	2.1	5.1	.8	.6	.2						10.4	10.3	10.0
230-250	1.9	2.4	1.3	.2								5.8	6.4	5.0
(W) 260-280	1.8	1.9	.6	.3								4.6	6.7	6.0
290-310	3.0	4.6	2.1	.8								10.6	7.3	6.0
320-340	3.0	3.7	2.2	.3								9.3	6.7	5.0
VARIABLE	: 	•••••	•••••	•••••	• • • • • •	•••••		•••••	• • • • • • • •	•••••	• • • • • •			• • • • • •
CALM	11111111	//////	//////	//////	//////	///////	//////	//////	////////	///////	//////	8.2	/////	//////
TOTALS	24.4	31.1	25.8	7.2	2.7	.4	.2					100.0	7.6	8.0
			10	TAL NUM	BER OF	ORSERVA	TIONS	625						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 MONTH: SEP HOURS: 15-17 LST TO UTC: + 8 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN DIRECTION % WIND WIND (DEGREES) (N) 350-010 2.9 1.8 .3 5.1 4.6 4.0 .3 5.3 4.0 2.6 .8 .2 020-040 1.3 1.5 4.3 5.0 050-070 .7 .8 (E) 080-100 .8 1.3 .3 2.5 5.7 6.0 3.3 7.3 7.0 110-130 .7 1.5 1.1 6.4 8.3 8.0 1.1 2.0 .7 140-160 2.6 27.8 11.7 12.0 2.3 5.6 12.4 4.6 .3 (S) 170-190 2.6 9.0 14.1 8.0 1.1 200-220 2.1 6.2 4.1 .5 230-250 1.8 2.9 .5 5.2 6.2 7.0 .8 .2 4,6 6.8 6.5 (W) 260-280 1.5 2.1 2.5 11.4 7.9 8.0 1.3 290-310 3.4 4.2 9.5 7.6 7.5 2.3 .8 320-340 4.1 2.3 VARIABLE ///////// 6.2 //////// CALM 100.0 8.1 8.0 21.2 33.9 26.5 9.0 2.8 .3 TOTALS

TOTAL NUMBER OF OBSERVATIONS 612

A-1

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	.n. /24044		T TO UT	IAME: TO	MUPAI	IESI KA	MUE NV		MONT	DD OF RE	HOUR	JAN 83 S: 18-20		'U
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED 1 25-29			40-49		GE 65	TOTAL	MEAN WIND	MEDIAI WIND
(N) 350-010	.7	.4	•••••	•••••	•••••	•••••	•••••	•••••	•••••	• • • • • • •	• • • • • • •	1.1	3.8	3.0
020-040	.5	.2										.7	3.0	2.5
050-070														
(E) 080-100	.9	.4										1.2	4.0	4.0
110-130	2.1	.5										2.6	3.7	4.0
140 - 160	2.8	3.0	2.1	.9								8.8	7.6	7.5
(S) 170-1 9 0	7.0	9.8	8.8	1.4			. 2					27.1	8.0	8.0
200-220	4.4	8.8	4.9	.9	.2	.2						19.3	7.9	7.0
230-250	3.3	2.8	.7									6.8	5.1	5.0
(W) 260-280	4.2	4.4	1.1									9.6	5.3	5.0
290-310	2.5	5.6	1 6	.7								10.3	7.2	7.0
320-340	.7	1.9	.9	.4								3.9	7.9	8.0
VARIABLE	<u>.</u>	•••••			•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • •	•••••	• • • • • •	• • • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • •	
CALM		//////	//////	///////	/////	//////	//////	//////	///////	///////	///////	8.6	/////	'/////
TOTALS	29.1	37.8	20.1	4.3	.2	.2	. 2					100.0	6.5	6.0
			то	TAL NUM	BER OF	OBSERV	ATIONS	571						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N		NOPAH TI	ST RAN	GE NV		PER I C			JAN 83 S: 21-2		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	WIND SI 20-24	PEED IN	KNOTS		40-49		GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	.7	1.1	.4	•••••	• • • • • •			•••••	•••••			2.1	6.1	6.5
020-040	.5	.4	.2									1.1	5.8	4.5
050-070	.4	.4										.7	4.3	4.0
(E) 080-100	1.9	.7										2.6	3.7	3.0
110-130	6.2	4.1	.4									10.6	4.4	4.0
140-160	8.1	4.9	1.4									14.5	5.0	4.0
(S) 170-190	6.2	6.0	1.6	.9								14.6	6.3	6.0
200-220	3.0	5.6	2.1	.7	.2							11.6	7.6	7.5
230-250	3.2	1.9										5.1	4.1	4.0
(W) 260-280	2.3	5.8	1.9	.2								10.2	6.7	6.0
290-310	3.2	4.1	2.3									9.5	6.5	6.5
320-340	.9	1.9	1.1	.2								4.1	7.8	8.0
VARIABLE					• • • • • • •	· · · · · · ·			•••••		•••••	•••••	• • • • • •	• • • • • • •
CALM	11111111	/////	//////	//////	//////	//////	//////	///////	///////	//////	///////	13.2	/////	111111
TOTALS	36.6	36.9	11.4	2.0	.2							100.0	5.1	5.0
			TO	TAL NUM	BER OF (OBSERVA	TIONS	567						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N T TO UT		NOPAH 1	TEST RAN	IGE NV			DO OF RE		JAN 83 S: ALL	- MAR 9	0
DIRECTION	1-4	5-9	10-14	15-19		SPEED IN 25-29					GE 65		MEAN	MEDIAN
(DEGREES)		• • • • • •	• • • • • • •	• • • • • •	•••••	• • • • • • •	•••••	• • • • • • •		• • • • • • •	•••••	%	WIND	WIND
(N) 350-010	2.3	1.5	.2	• • • • • • •		• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	4.0	4.4	4.0
020-040	1.2	.3	.1	.1								1.7	4.1	3.0
050-070	.6	.3	.1									1.0	4.1	4.0
(E) 080-100	1.2	.7	.1									1.9	4.3	4.0
110-130	2.9	2.2	.5	.0								5.7	5.1	4.0
140-160	4.2	3.5	1.6	.4	.1							9.8	6.3	5.0
(S) 170-190	4.1	5.0	5.3	1.8	.6	.1	.1	.0				16.8	9.1	9.0
200-220	2.2	3.2	2.4	.5	.2	.0						8.4	8.1	8.0
230-250	2.2	1.5	.4	.0								4.1	5.0	4.0
(W) 260-280	3.4	3.3	1.0	.2	.0							7.9	5.8	5.0
290-310	4.5	4.7	2.2	.4								11.7	6.4	6.0
320-340	2.9	3.5	1.3	.2								8.0	6.2	5.0
VARIABLE	<u>'</u> 	•••••	• • • • • • •	•••••			• • • • • •	•••••		•••••	• • • • • • •	•••••	• • • • • •	•••••
CALM	////////	'/////	//////	//////	//////	///////	//////	///////	///////	///////	1111111	19.0	/////	//////
TOTALS	31.7	29.7	15.2	3.6	.9	.1	.1					100.0	5.4	6.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	4802						

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED

USAFETAC, ASI			rene	ENINGE	INEGO		M HOU	RLY OB	SERVATIO	ONS	DIREC		LKOOS WI	ND SILL	
STATION NUMBE	ER: 724844		ATION N			TEST	RANG	E NV		MONTH	D OF RE	HOL	JAN 83 JRS: ALL	- MAR 9	0
CATEGORY A:	CEILING GE			AND/O	R					E 1/2 M	ILE (08	00 MET	ERS).	GE 200	FEET.
DIRECTION	1-4	 5-9			20-2	4 25	D IN	KNOTS 30-34	35-39				TOTAL		
(DEGREES)		••••										••••	%	WIND	WIND
(N) 350-010		• • • • •	• • • • • •		•••••		••••		•••••		•••••		••••••		•••••
020-040															
050-070															
(E) 080-100															
110-130															
140-160	11	00.0											100.0	5.0	5.0
(S) 170-190															
200-220															
230-250															
(W) 260-280															
290-310															
320-340															
VARIABLE		• • • • •	• • • • • •		•••••		••••		•••••	• • • • • •	•••••		• • • • • • • •	 -	• • • • • • •
CALM	111111111	/////	//////	//////	//////	////	/////	1/////	///////	//////	//////	/////	.0	/////	//////
TOTALS	1	00.0											100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1

And the state of t

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE		LS	T TO UT	C: + 8		TEST RAN			MONTH	DO OF RE		JAN 83		0
					WIND :	SPEED IN	KNOTS							• • • • • • •
DIRECTION (DEGREES)	1-4	2.4	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.9	1.7	.3	•••••	•••••	• • • • • • •	• • • • • •	• • • • • • •	•••••		• • • • • • •	3.0	5.5	6.0
020-040	.7		.2									.9	4.0	2.0
050-070	.2											.2	3.0	3.0
(E) 080-100	.7	.5		.2								1.4	5.9	5.0
110-130	2.6	1.0	.5									4.2	4.5	4.0
140 - 160	5.2	2.3	.3	.3								8.2	4.8	4.0
(\$) 170-190	5.9	1.9		.5	.3							8.7	4.8	3.0
200-220	2.8	.3				.2						3.3	4.2	3.0
230-250	2.1	.9										3.0	3.6	3.0
(W) 260-280	5.9	5.8	1.0									12.8	5.1	5.0
290-310	9.4	6.1	3.3	.7								19.6	5.9	5.0
320-340	4.7	2.4	1.0									8.2	4.9	4.0
VARIABLE	<u> </u>	• • • • • •			•••••	• • • • • • •	•••••	• • • • • • •				•••••	• • • • • •	
CALM	11111111	/////	//////	///////	//////	///////	//////	(1111111	1111111	//////	'//////	26.6	/////	//////
TOTALS	41.1	22.9	6.6	1.7	.3	.2						100.0	3.7	4.0
			TO	TAL NUM	IBER OF	OBSERVA	TIONS	572						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: OCT HOURS: 03-05 LST TO UTC: + 8 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION TOTAL MEAN MEDIAN (DEGREES) % WIND WIND 3.1 (N) 350-010 2.3 2.5 .2 2.6 .3 2.5 020-040 .3 2.5 .7 050-070 .7 1.8 2.0 (E) 080-100 .3 .3 1.5 1.5 110-130 1.0 1.2 .2 .2 2.5 5.7 6.0 .8 140-160 1.2 1.3 .2 3.5 6.9 5.0 .5 8. (S) 170-190 2.5 .2 4.1 7.1 3.0 200-220 2.0 .2 2.1 2.0 1.3 230-250 3.1 3.6 3.0 4.9 9.1 1.3 4.6 (W) 260-280 .2 15.5 4.0 290-310 12.0 9.6 2.8 .2 5.3 5.0 320-340 .5 2.0 .2 4.0 VARIABLE CALM TOTALS 39.8 21.2 6.6 .8 .2 100.0

TOTAL NUMBER OF OBSERVATIONS 607

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBE	R: 724844		ATION N		NOPAH 1	EST RAN	IGE NV			DO OF RE		JAN 83 RS: 06-0		0'
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49		GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	3.4	.8	.2	• • • • • • •		• • • • • • •	• • • • • •	• • • • • • •		•••••	•••••	4.3	3.3	2.0
020-040	1.5	.2										1.7	2.5	2.0
050-070	.6											.6	2.0	2.0
(E) 080-100	.6	.5										1.1	4.4	4.0
110-130	1.7	1.1	.2									2.9	4.5	4.0
140-160	1.8	1.7	.5	.8								4.8	7.4	6.0
(S) 170-190	1.1	.3	.3	.3	.2	.2	.2					2.5	10.5	6.5
200-220	1.2	.2										1.4	3.7	3.0
230-250	2.2	.2	.2									2.5	3.2	3.0
(W) 260-280	6.5	2.5	1.2	.6								10.8	5.4	4.0
290-310	9.1	6.8	4.0	.5	.3	.2						20.8	6.4	5.0
320-340	10.3	3.9	1.5	.2								15.9	4.6	4.0
VARIABLE	¦ 	•••••			•••••		•••••				• • • • • • •	• • • • • • •		•••••
CALM	////////	//////	1111111	//////	111111	(111111)	111111	///////	///////	///////	///////	30.8	/////	'/////
TOTALS	40.0	18.2	8.1	2.4	.5	.4	.2					100.0	3.8	4.0
			TO	TAL NUM	BER OF	OBSERVA	ATIONS	649						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 LST TO UTC: + 8 MONTH: OCT HOURS: 09-11 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN DIRECTION (DEGREES) WIND % GHIM (N) 350-010 13.7 7.7 3.6 2.1 .2 5.3 4.0 020-040 5.1 .8 1.0 6.9 4.2 2.5 050-070 1.8 1.8 2.4 3.0 (E) 080-100 1.3 .2 1.5 3.9 3.0 110-130 4.0 2.8 7.6 5.1 .8 4.0 2.3 2.1 9.7 7.8 7.0 140-160 4.4 .5 .3 (S) 170-190 1.0 .7 1.6 1.0 .5 .3 5.3 12.4 12.0 200-220 .2 1.0 .5 .3 2.0 9.3 8.5 230-250 .3 .3 .3 1.0 7.2 8.5 .2 .7 2.8 11.9 10.0 (W) 260-280 1.2 .7 .2 290-310 1.5 2.0 2.3 1.5 .2 .3 7.7 10.7 10.0 320-340 5.4 6.9 3.8 1.2 17.3 7.3 7.0 VARIABLE CALM TOTALS 23.2 15.9 .2 100.0

TOTAL NUMBER OF OBSERVATIONS 607

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

			TO UT				GE NV		MONTH			S: 12-14	•	
DIRECTION (DEGREES)	1-4			15-19	WIND S	PEED IN 25-29		35 - 39	40-49		GE 65	TOTAL	MEAN WIND	MEDIA WIND
v) 350-010	3.5	3.4	1.1	.2	.2		•••••	•••••	• • • • • • •			8.3	5.8	5.0
020-040	3.2	2.4	1.3	.5								7.3	6.4	5.0
050-070	1.1	.2										1.3	2.8	2.0
E) 080-100	1.8	.6										2.4	3.8	3.0
110-130	1.6	2.7	.3									4.6	5.5	5.0
140-160	3.4	3.8	1.1	.5	.3							9.1	7.1	6.0
s) 170-190	2.1	5.4	4.2	2.1	1.1		.2					15.0	10.4	9.5
200-220	1.0	3.7	1.9	.6	.2							7.3	8.4	8.0
230-250	1.3	.5	.3									2.1	5.0	4.0
w) 260-280	2.1	1.3	1.0	.2	.2							4.6	6.9	5.0
290-310	2.6	4.0	2.6	2.1	.8	.2						12.1	9.8	8.5
320-340	5.8	5.8	1.4	1.0	.3		.2					14.4	6.8	5.0
VARIABLE	. ,				•••••	• • • • • •	•••••	•••••					••••	• • • • • •
CALM	///////	/////	///////	///////	//////	(//////	//////	//////	///////	//////	///////	11.3	/////	/////
TOTALS	29.5	33.8	15.2	7.2	3.1	.2	.4					100.0	6.7	6.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: OCT HOURS: 15-17 WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 DIRECTION TOTAL MEAN MEDIAN (DEGREES) MIND % WIND **************************** (N) 350-010 .3 3.8 1.5 1.3 .5 7.4 4.0 6.5 020-040 2.5 1.1 1.1 .2 4.9 6.0 4.5 .7 050-070 1.0 1.6 4.1 4.0 (E) 080-100 1.0 .2 .2 1.3 5.3 3.5 110-130 1.0 1.6 2.6 4.1 4.0 140-160 2.6 3.1 1.5 .3 7.5 6.4 5.0 (S) 170-190 2.8 6.9 4.1 2.6 .5 16.9 9.3 8.0 200-220 2.8 5.2 .5 .3 11.0 7.9 8.0 230-250 1.8 .7 .2 3.9 2.6 3.5 (W) 260-280 2.3 1.0 .7 .3 .3 4.6 6.6 4.5 290-310 4.9 5.9 3.4 2.1 .3 .7 17.3 8.6 7.0 320-340 4.1 3.9 2.0 1.0 .3 11.3 7.3 6.0 VARIABLE CALM TOTALS 31.2 31.2 16.2 7.9 2.0 .7 100.0 6.6 6.0

TOTAL NUMBER OF OBSERVATIONS 611

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

OSAILIAC, ASI	ETILLE NO					I KON NO	OKE! OF	OLKINI	ONS					
STATION NUMBE	R: 724844		N MOLTA		NOPAH T	EST RAN	GE NV			DO OF RE		JAN 83		0'
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	WIND S 20-24	PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.5	1.2	1.4	.3	•••••		•••••	•••••	• • • • • • •	•••••	• • • • • • •	3.5	9.3	9.5
020-040	.5	.5	.7									1.7	7.3	7.5
050-070]													
(E) 080-100	.7	.2										.9	3.8	4.0
110-130	2.3	1.0										3.3	3.9	3.0
140-160	4.2	3.0	.7	.7	.2							8.7	6.3	5.0
(S) 170-190	4.5	5.9	1.6	.5			.2					12.7	6.8	6.0
200-220	6.6	8.6	1.6	.2	.2							17.1	5.7	5.0
230-250	9.2	5.9										15.2	4.3	4.0
(W) 260-280	5.2	5.8	1.0	.5								12.6	5.6	5.0
290-310	2.8	5.8	3.0	1.0								12.6	7.7	7.5
320-340	1.2	.9	1.9	.5								4.5	8.7	10.0
VARIABLE	<u>;</u>	• • • • •	••••••		• • • • • •	•••••	•••••		• • • • • •	• • • • • •		• • • • • • • • • • • • • • • • • • • •		
CALM	///////	/////	//////	//////	///////	,,,,,,,	//////	1111111	//////	//////	((((((7.2	/////	'/////
TOTALS	37.7	38.8	11.9	3.7	.4		.2					100.0	5.7	5.0
			ŦC	TAL NUN	BER OF	OBSERVA	TIONS	573						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: OCT HOURS: 21-23

							1100KG: 21 23							
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.4	1.2	1.4	•••••	•••••			• • • • • •	•••••	• • • • • •	• • • • • • •	4.0	6.9	9.0
020-040	.3	.2	.2									.7	4.5	3.5
050-070	.7	.2										.9	2.4	2.0
(E) 080-100	1.9	.3										2.3	3.8	3.0
110-130	4.5	3.5	.3									8.4	4.5	4.0
140-160	8.9	3.7	.9	.7	.2							14.3	5.2	4.0
(S) 170-190	7.0	2.6	.3	.5								10.5	4.8	4.0
200-220	5.6	1.9	.2									7.7	3.6	3.0
230-250	3.8	1.2										5.1	3.4	3.0
W) 260-280	5.8	4.9	.9									11.5	5.3	4.5
290-310	5.4	5.9	4.7	.5								16.6	7.0	6.0
320-340	2.1	2.6	.2									4.9	5.1	5.0
VARIABLE			•••••	• • • • • • •	• • • • • • •	•••••	• • • • • •	•••••		•••••	•••••			•••••
CALM	//////	//////	1111111	//////	//////	//////	//////	1111111	,,,,,,	//////	///////	13.3	//////	//////
TOTALS	47.4	28.2	9.1	1.7	.2							100.0	4.5	4.0

TOTAL NUMBER OF OBSERVATIONS 573

STATION NUMBE	R: 724844		T TO UT	C: + 8	NOPAH TI		GE NV		MONTH	I: OCT	HOUR	JAN 83 S: ALL	- MAR 9) 0
DIRECTION	1-4	5-9			WIND SI 20-24	PEED IN			40-49			TOTAL	MEAN	MEDIAN
(DEGREES)	1		• • • • • • •	• • • • • • •		• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	%	WIND	WIND
(N) 350-010	3.0	1.7	1.0	.1	.1	• • • • • • •			• • • • • • •	• • • • • •	• • • • • • •	5.9	5.7	4.0
020-040	1.8	.7	.6	.1								3.1	5.3	4.0
050-070	.8	.1										.9	2.8	2.0
(E) 080-100	1.0	.3	.0	.0								1.4	4.2	3.0
110-130	2.4	1.8	.3	.0								4.5	4.8	4.0
140-160	3.6	2.9	1.0	.5	.1							8.2	6.4	5.0
(S) 170-190	3.3	3.0	1.6	1.0	.3	.1	.1					9.4	8.2	7.0
200-220	2.7	2.6	.8	.2	.1	.0						6.4	6.1	5.0
230-250	2.9	1.3	.1	.0								4.4	4.0	4.0
(W) 260-280	4.6	3.3	1.0	.3	.1							9.3	5.6	5.0
290-310	6.0	5.7	3.3	1.1	.2	.2						16.4	7.2	6.0
320-340	5.0	3.6	1.6	.5	.1		.0					10.7	6.1	5.0
VARIABLE		• • • • • •	• • • • • • •		• • • • • • •	• • • • • •	•••••	• • • • • •	• • • • • • •	•••••	• • • • • • •	•••••	• • • • • •	
CALM	11111111	/////	//////	///////	///////	///////	//////	111111	///////	111111	///////	19.4	/////	'/////
TOTALS	37.1	27.0	11.3	3.8	1.0	.3	.1					100.0	5.0	5.0
			10	TAL NUM	BER OF (OBSERVA	TIONS	4818						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED

FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS). AND/OR

	VISIBILIT	Y GE 1	/2 MILE	(0800	METERS)	BUT LE	SS THAN	3 MILE	s (4800	METERS	HTIW (CEILING	GE 200	FEET.
				45 44		PEED IN								
DIRECTION	1-4	5-9	10-14			25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	MIND
(N) 350-010		11.1	11.1									22.2	10.0	10.0
020-040	11.1											11.1	3.0	3.0
050-070														
(E) 080-100														
110-130														
140-160	ļ													
(S) 170-190	ļ													
200-220														
230-250														
(W) 260-280														
290-310		11.1	11.1									22.2	10.0	10.0
320-340			22.2	22.2								44.4	14.8	15.0
VARIABLE	-:	· · · · · ·	• • • • • •		• • • • • •		• • • • • • •		•••••			• • • • • •		•••••
CALM	11111111	//////	///////	//////	///////	//////	//////	1111111	//////	//////	1111111	.0	111111	111111
TOTALS	11.1	22.2	44.4	22.2								100.Ր	11.3	12.0

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: \pm 8

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: NOV HOURS: 00-02

Direction 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 Total (Degrees)		
020-040	MEAN WIND	MED I A
050-070	4.2	3.0
(E) 080-100 .3 .3 .7 110-130 1.4 2.2 .7 .3 4.6 140-160 6.2 3.2 .9 .3 10.6 (S) 170-190 5.3 1.4 .9 .3 .2 .7 .2 8.9 200-220 1.4 .7 .2 .3 2.6 230-250 1.5 .5 2.1 (W) 260-280 5.1 5.0 .9 10.9 290-310 7.2 11.3 3.9 1.0 .7 24.1	4.0	3.0
110-130	3.5	2.5
140-160 6.2 3.2 .9 .3 10.6 (S) 170-190 5.3 1.4 .9 .3 .2 .7 .2 8.9 200-220 1.4 .7 .2 .3 2.6 230-250 1.5 .5 2.1 (W) 260-280 5.1 5.0 .9 10.9 290-310 7.2 11.3 3.9 1.0 .7 24.1	11.0	10.5
(S) 170-190 5.3 1.4 .9 .3 .2 .7 .2 8.9 200-220 1.4 .7 .2 .3 2.6 230-250 1.5 .5 2.1 (W) 260-280 5.1 5.0 .9 10.9 290-310 7.2 11.3 3.9 1.0 .7 24.1	6.3	6.0
200-220	4.8	4.0
230-250 1.5 .5 2.1 w) 260-280 5.1 5.0 .9 10.9 290-310 7.2 11.3 3.9 1.0 .7 24.1	7.3	4.0
W) 260-280 5.1 5.0 .9 10.9 290-310 7.2 11.3 3.9 1.0 .7 24.1	6.8	4.0
290-310 7.2 11.3 3.9 1.0 .7 24.1	3.9	3.5
	5.5	5.0
320-340 3.6 1.9 1.4 .3 .2 7.4	7.2	6.0
·	6.5	5.0
VARIABLE	•••••	
CALM ////////////////////////////////////	/////	//////
TOTALS 35.1 27.2 9.5 2.2 1.2 .9 .2 100.0	4.8	5.0
TOTAL NUMBER OF OBSERVATIONS 585		

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: NOV HOURS: 03-05

DIRECTION	1-4		•••••	•••••	LITAID				• • • • • • •			• • • • • • •		• • • • • • •
(DEGREES)	l	5-9	10-14	15-19		35-29		35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MED I AN
N) 350-010	2.2	.7	.2	• • • • • • •	•••••	• • • • • •		•••••	• • • • • • •	•••••	••••••	3.0	4.2	3.5
020-040	.2	.5	.2									.8	6.6	7.0
050-070	.3											.3	2.0	2.0
E) 080-100	.8	.5										1.3	4.0	3.0
110-130	1.5	1.9	1.0	.2								4.5	6.6	6.0
140-160	2.9	2.2	1.3	.3								6.7	6.4	5.0
s) 170-190	3.9	1.5	.5	.2								6.1	4.9	4.0
200-220	1.9	.5	.2	.5	.5							3.5	8.6	4.0
230-250	2.4	.5										2.9	2.8	2.0
w) 260-280	6.4	4.9	.7	.3								12.3	5.1	4.0
290-310	6.1	8.1	3.0	1.2	.2	.2						18.7	7.2	6.0
320-340	4.2	3.7	1.3	.8	.3							10.4	6.9	5.0
VARIABLE	· 		•••••	•••••	•••••	•••••		•••••		• • • • • • •	•••••	• • • • • • •		•••••
CALM	1111111	//////	//////	//////	//////	///////	//////	///////	///////	//////	///////	29.3	/////	//////
TOTALS	32.8	25.0	8.4	3.5	1.0	.2						100.0	4.3	5.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	594						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: NOV HOURS: 06-08

		LJ	10 01	U. + 0					MUNIT	: NUV	HOUK	s: 00-00	3	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MED LAN WIND
(N) 350-010	2.7	.6	• • • • • • •	•••••	•••••		•••••	• • • • • • •	•••••	•••••	• • • • • • • •	3.3	3.1	2.0
020-040	1.1	.5										1.6	3.7	4.0
050-070	1.0	.3										1.3	2.6	1.5
(E) 080-100	.5	.5										1.0	4.5	4.5
110-130	2.7	1.4	1.0	.3								5.4	6.0	4.5
140-160	4.1	1.0	1.6	.2								6.9	5.9	4.0
(S) 170-190	3.3	1.3	.5	.6								5.7	6.0	4.0
200-220	1.0	.2	.2		.2							1.4	5.4	2.0
230-250	1.6	1.1										2.7	4.5	4.0
(W) 260-280	3.0	2.1	1.0		.2							6.2	6.0	5.0
290-310	6.9	7.0	5.1	1.4	.5	.2						21.1	7.8	7.0
320-340	3.5	2.7	1.8	.5	.2							8.6	7.0	5.5
VARIABLE	! }		•••••	•••••	·····			• • • • • • •	•••••	• • • • • •	•••••	• • • • • • •	• • • • • •	
CALM	11111111	//////	//////	//////	//////	///////	//////	///////	11/1///	11////	///////	34.8	//////	/////
TOTALS	31.4	18.7	11.2	3.0	1.1	.2						100.0	4.1	5.0

TOTAL NUMBER OF OBSERVATIONS 627

STATION NUMBER: 724844	STATION NAME: TONOPAH TEST RANGE NV	PERIOD OF RECORD:	JAN 83 - MAR 90
	LST TO UTC: + 8	MONTH: NOV HO	URS: 09-11

••••••	• • • • • • • • •	•••••	• • • • • •	•••••	WIND S	SPEED IN	KNOTS	•••••	• • • • • •	•••••	•••••	• • • • • •	· · · · · · ·	• • • • • • •
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		25-29		35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.9	1.0	.3	.2	•••••	• • • • • • •	• • • • • •	•••••		•••••		4.3	4.4	2.0
020-040	2.5	.3	.2									3.0	3.0	2.0
050-070	.8	.2		.2								1.1	5.0	3.0
(E) 080-100	2.5	.2	.3	.5								3.5	5.7	3.5
110-130	4.9	5.6	.8	.6								11.9	5.9	5.0
140-160	3.3	2.2	.8	.8	.3	.2						7.6	7.6	5.0
(S) 170-190		.8	1.4	1.0	.8		.2					4.1	14.2	12.0
200-220	.2	.6	.6	.2	.3							1.9	11.8	11.0
230-250		.5		.2	.3							1.0	13.7	13.0
(W) 260-280	.8	.6	.8	.3	.2							2.7	9.5	8.0
290-310	2.1	4.8	4.1	2.2	.6	.5						14.3	10.6	10.0
320-340	4.3	6.0	5.6	2.1	2.4	.5						20.8	10.3	10.0
VARIABLE	; j	•••••	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •		• • • • • • •	• • • • • •	
CALM	11111111	//////	///////	,,,,,,	//////	///////	//////	//////	(111111)	1111111	,,,,,,,	23.8	/////	/////
TOTALS	24.3	22.8	14.9	8.3	4.9	1.2	.2					100.0	6.7	7.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	630						

		LS	T TO UT	C: + 8						i: NOV	HOUR	S: 12-14	•	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29						TOTAL	MEAN WIND	MEDIA DI U
N) 350-010	4.3	1.7	.6	.2	.2		•••••	•••••	•••••	• • • • • •	• • • • • • •	7.0	5.3	4.0
020-040	1.3		.3	.2								1.7	5.4	3.0
050-070	1.3	.2		.2								1.6	4.5	3.0
E) 080-100	2.2	1.0		.2	.2							3.5	5.4	4.0
110-130	3.5	3.3	1.1	.3								8.3	6.0	5.0
140-160	3.7	3.3	2.9	.5	.5							10.8	7.6	5.5
s) 170-190	2.7	3.0	2.7	2.2	.8	.8	.3	.2				12.7	11.7	10.0
200-220	.8	1.1	2.1	.2	.3	.2						4.6	10.4	10.0
230-250	.3	.2	.2	.2								.8	7.6	9.0
W) 260-280	1.0	.8	.5	.6	.5							3.3	10.2	8.0
290-310	2.5	4.9	3.3	2.4	.5	.3	.2					14.1	10.0	9.0
320-340	3.7	4.8	3.8	1.9	3.2	1.1	.5					18.9	12.1	10.0
VARIABLE	• • • • • • • • • • • • • • • • • • • •		•••••		• • • • • • • • • • • • • • • • • • • •	•••••	•••••	•••••	• • • • • • •	•••••	•••••	•••••		•••••
CALM	(//////	/////	//////	//////	//////	//////	//////	1111111	//////	///////	///////	12.7	/////	//////
TOTALS	27.3	24.3	17.5	9.1	6.2	2.4	1.0	.2				100.0	8.1	8.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 NONTH: NOV HOURS: 15-17

		-							110/111		HOOK	3. 13 1	•	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MED I A
N) 350-010	1.6	.5	.8		.2	• • • • • • •	• • • • • •		• • • • • • •	• • • • • • •	•••••	3.1	5.9	4.0
020-040	1.0	1.0	.5	.5								2.9	7.8	6.5
050-070	.5	.2		.2								.8	5.0	2.0
E) 080-100	1.1	.6	.2									1.9	4.8	4.0
110-130	1.5	1.3	.6	.2								3.5	6.0	5.0
140-160	2.6	2.1	1.9	1.0	.8		.2					8.5	9.8	8.0
s) 170-190	3.5	4.8	4.8	.2	.8	.8						15.0	9.4	8.0
200-220	3.4	2.9	1.1		.2	.3						7.9	6.7	5.0
230-250	1.6	1.5	.3	.5								3.9	6.4	5.0
W) 260-280	3.4	2.1	1.1									6.6	5.7	4.0
290-310	3.1	7.4	4.2	2.3	.3							17.3	9.1	8.0
320-340	1.9	3.9	2.7	2.9	2.1	.8						14.4	12.2	12.0
VARIABLE	 	• • • • • • •	• • • • • • •		• • • • • • •	•••••	• • • • • •				• • • • • •	• • • • • • •	• • • • • •	• • • • • •
CALM	1111111	//////	///////	///////	///////	///////	//////	111111	(//////	////////	//////	14.2	/////	11111
TOTALS	25.2	28.3	18.2	7.8	4.4	1.9	.2					100.0	7.5	7.0
			TC	TAL NIM	BED OF	ORSERVA	TIONS	620						

TOTAL NUMBER OF OBSERVATIONS 620

STATION NUMBE	R: 724844		ATION N		NOPAH	TEST RAN	GE NV			DO OF RE		JAN 83 RS: 18-2		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	.3	.8	.5	• • • • • • •	•••••		•••••	• • • • • • •	• • • • • • •	******	• • • • • • •	1.7	7.5	7.5
020-040	.2	.3										.5	6.0	7.0
050-070	.3	.3										.7	6.0	6.0
(E) 080-100	.8	.2										1.0	2.5	2.0
110-130	2.5	1.7	.5	.3	.3							5.4	6.9	5.0
140-160	5.6	1.7	1.7	1.0	.2							10.2	6.5	4.0
(S) 170-190	3.4	5.6	.8	1.5	.8							12.2	8.1	6.0
200-220	3.6	6.8	.8	.3	.2	.2						11.8	6.3	5.5
230-250	5.8	3.6	.2									9.5	4.6	4.0
(W) 260-280	4.2	6.1	.8	.3								11.5	5.7	5.0
290-310	2.5	9.8	3.2	1.4	.3	.2	.2					17.6	8.9	8.0
320-340	1.2	2.4	2.5	1.2								7.3	9.8	10.0
VARIABLE	 	•••••		•••••	•••••	• • • • • • •	• • • • • •		• • • • • •	•••••	••••	•••••	• • • • • • •	• • • • • • •
CALM	///////	/////	//////	//////	/////	///////	//////	1111111	///////	//////	///////	10.7	/////	111111
TOTALS	30.4	39.3	11.0	6.0	1.8	.4	.2					100.0	6.3	6.0
			τo	TAL NUM	BER OF	OBSERVA	TIONS	591						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: NOV HOURS: 21-23

		Lo	1 10 01	C. + 0					HONII	i. NOV	HOOK.	3. 21-2	3	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	2.4	.5	.5	.2		•••••	• • • • • •	• • • • • •		• • • • • • •	• • • • • • • •	3.6	5.3	4.0
020-040														
050-070	.2	.3	.2									.7	6.8	6.5
(E) 080-100	1.0	.2	.7									1.9	6.5	4.0
110-130	4.1	2.9	.7	.7								8.4	5.9	5.0
140-160	5.6	3.9	1.0	.5	.2							11.3	5.7	4.5
(S) 170-190	5.1	1.7	.3	.7	1.0	.2						9.1	7.4	4.0
200-220	2.7	1.0	.2		.2							4.1	4.7	4.0
230-250	3.6	1.5	.2									5.3	4.1	4.0
(W) 260-280	5.3	5.0	1.2	.2								11.6	5.4	5.0
290-310	5.6	8.5	2.7	.7	.2							17.8	6.9	6.0
320-340	3.6	2.1	1.7	.2								7.5	6.5	5.0
VARIABLE	: 		• • • • • • •	• • • • • • •		•••••	•••••	•••••	•••••	• • • • • •		•••••	• • • • • •	•••••
CALM	1111111	//////	//////	///////	//////	///////	//////	///////	///////	//////	///////	18.8	/////	//////
TOTALS	39.2	27.6	9.4	3.2	1.6	.2						100.0	4.9	5.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	585						

TOTALS

30.6

26.5 12.5

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8 HOURS: ALL MONTH: NOV WIND SPEED IN KNOTS DIRECTION | 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 1-4 TOTAL MEAN MEDIAN (DEGREES) WIND WIND (N) 350-010 2.4 .0 3.7 4.8 4.0 020-040 .8 .3 .1 . 1 1.4 5.2 3.0 050-070 .6 .2 .0 . 1 .9 4.4 3.0 (E) 080-100 1.2 .2 .4 . 1 .0 1.9 5.4 4.0 110-130 2.8 2.6 .8 .4 .0 6.5 6.1 5.0 140-160 4.2 2.4 1.5 9.0 .6 .2 .0 .0 6.7 5.0 (S) 170-190 3.4 2.5 1.5 .8 .6 .3 .1 .0 9.2 8.8 6.0 200-220 1.7 .7 1.8 . 1 .3 4.7 5.0 230-250 2.1 .1 .1 .0 3.5 4.9 4.0 (W) 260-280 .9 .2 3.6 3.2 . 1 8.0 5.9 5.0 290-310 4.5 7.7 3.7 1.6 .4 .2 .0 18.1 8.3 8.0 320-340 3.2 3.5 2.6 1.3 1.0 .3 12.0 9.7 8.0 VARIABLE CALM

TOTAL NUMBER OF OBSERVATIONS 4862

2.6

.9

.2

5.5

100.0

5.9

6.0

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: NOV HOURS: ALL

LST TO UTC: + 8 MONTH: NOV

ATEGORY A:	CEILING GE 200 BUT LE	SS THAN 1500	FEET WITH VISI	IRITIIA OF 1/5 WITE	(UBUU METERS).
		AND /OP			

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

•••••						PEED IN							• • • • • •	• • • • • • •
DIRECTION	1-4	5-9 	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)	1											%	WIND	WIND
(N) 350-010	1.4	1.4					• • • • • •					2.9	5.0	5.0
020-040	1.4	2.9										4.3	5.0	6.0
050-070														
(E) 080-100	2.9											2.9	2.5	2.5
110-130	2.9	4.3	4.3									11.4	7.3	7.5
140-160	5.7	4.3	7.1	2.9								20.0	9.4	10.5
(\$) 170-190	2.9	2.9	1.4	1.4	2.9							11.4	11.0	8.0
200-220														
230-250														
(W) 260-280														
290-310	1.4	5.7	5.7	2.9	1.4	1.4						18.6	12.1	13.0
320-340	2.9	8.6	2.9									14.3	6.9	6.5
VARIABLE	<u>.</u>	• • • • • •		•••••	•••••	•••••	•••••		• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • •	•••••		•••••
CALM	1111111	//////	///////	///////	//////	//////	/////	//////	///////	///////	///////	14.3	/////	//////
TOTALS	21.5	30.1	21.4	7.2	4.3	1.4						100.0	7.6	8.0
			тс	TAL NUM	BER OF	OBSERVA	TIONS	70						

STATION NUMBE	R: 724844		ATION N		NOPAH T	EST RAN	GE NV			DO OF RE		JAN 83 - S: 00-02		Ю
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.7	1.0	1.2	.3					•••••	• • • • • •	• • • • • • • •	4.1	7.1	6.0
020-040	.8	.7	.2									1.7	5.1	5.0
050-070	.2											.2	2.0	2.0
(E) 080-100	.8	.2	.2									1.2	4.1	3.0
110-130	2.2	1.7	.5									4.3	5.2	4.5
140-160	2.5	1.0	.3	.2								4.0	4.9	4.0
(S) 170-190	2.0	1.5	.2	.2	.3	.3						4.5	7.9	5.0
200-220	2.0	.8			.3	.2	.3					3.6	9.0	4.0
230-250	2.2	2.0										4.1	3.8	3.0
(W) 260-280	4.5	3.0	.5									8.0	4.4	4.0
290-310	6.6	9.0	3.5	1.8								20.9	7.3	7.0
320-340	3.6	1.5	2.7	1.2	.3							9.3	8.4	7.5
VARIABLE			•••••		•••••		•••••	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	•••••	• • • • • •	
CALM	11111111	/////	//////	//////	///////	///////	//////	(//////	///////	//////	////////	34.2	/////	'/////
TOTALS	29.1	22.4	9.3	3.7	.9	.5	.3					100.0	4.3	5.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	603						

STATION NUMBER: 724844	STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8	PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: DEC HOURS: 03-05
• • • • • • • • • • • • • • • • • • • •	TITUD OFFE THE MATE	• • • • • • • • • • • • • • • • • • • •

				••••							,,,,,,		•	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIA!
(N) 350-010	2.5	.5	.3	.3	.2	•••••	• • • • • •	• • • • • • • •	•••••	• • • • • •		3.8	6.1	4.0
020-040	.8		.2									1.0	3.8	3.0
050-070	.2											.2	1.0	1.0
(E) 080-100	.8	.2										1.0	2.3	2.0
110-130	.7	1.8	.2									2.6	6.1	6.5
140-160	2.6	1.1	1.0		.2							4.9	6.1	4.0
s) 170-190	2.5	.8	.2									3.4	4.1	4.0
200-220	1.6	.8		.3								2.8	5.5	4.0
230-250	1.8	.5										2.3	3.6	4.0
W) 260-280	5.1	3.0	1.1	.2								9.3	5.3	4.0
290-310	8.7	7.7	3.9	1.6			.2					22.1	6.9	6.0
320-340	2.6	3.4	3.3	.2	.2							9.7	7.7	8.0
VARIABLE	: 	• • • • • •	• • • • • •		•••••	•••••	• • • • •	• • • • • • •	•••••	• • • • • •	•••••	• • • • • •	• • • • • •	•••••
CALM	1111111	//////	///////	//////	///////	1111111	//////	////////	1111111	((((()	///////	36.9	111111	111111
TOTALS	29.9	19.8	10.2	2.6	.6		.2					100.0	3.9	5.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	610						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30 (DEGREES) (N) 350-010 1.2 .6 .8 .2	2.8	MEAN MEDIAN WIND WIND
(N) 350-010 1 2		7 1 5 0
(11) 330 010 (12 10 10 12		7.1 5.0
020-040 .9	.9	3.0 3.0
050-070		
(E) 080-100 1.1 .2 .3	1.5	4.9 3.5
110-130 2.2 1.7 .6	4.5	5.4 5.0
140-160 2.5 1.4 1.5 .6 .2	6.1	7.8 6.5
(S) 170-190 2.5 .6 .2	3.2	3.3 2.0
200-220 1.4 .5	1.8	3.3 3.0
230-250 1.8 .5	2.3	3.3 3.0
(w) 260-280 4.6 2.5 1.1 .3 .2	8.6	5.8 4.0
290-310 5.8 5.8 4.5 1.4 .2	17.7	7.5 7.0
320-340 3.7 2.9 2.3 .6 .3	9.8	7.4 6.5
VARIABLE		
CALM ////////////////////////////////////	///////////////////////////////////////	///////////////////////////////////////
TOTALS 27.7 16.7 11.3 3.1 .9	100.0	3.8 5.0

TOTAL NUMBER OF OBSERVATIONS 651

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: DEC HOURS: 09-11

		LJ	1001						HORTI	. DEC	HOOK	3. 09-1	•	
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIA! WIND
(N) 350-010	3.5	1.4	1.4	.6	.5	• • • • • • •	• • • • • •	• • • • • • •		•••••		7.4	7.3	5.0
020-040	1.8	.3	.9	.2								3.2	6.1	3.0
050-070	.8											.8	2.4	2.0
(E) 080-100	2.6	.5	.2									3.2	3.0	2.0
110-130	3.4	3.1	1.7	.5								8.6	6.5	5.5
140-160	1.4	2.5	.9	.6	.3							5.7	8.4	7.0
(S) 170-190	.3	.2	.9	.3	.3		.2					2.2	14.0	12.0
200-220	.2	.2										.3	3.0	3.0
230-250	.2	.2	.3									.6	9.0	10.5
(W) 260-280	.2	.6	1.1	.5	.2							2.5	11.4	11.5
290-310	2.9	3.5	6.0	2.5	.9							15.9	10.5	10.0
320-340	3.1	4.6	4.5	.6	.9	.2						13.9	9.2	9.0
VARIABLE		• • • • • • •	•••••		•••••	• • • • • • •	• • • • • •	•••••		•••••	• • • • • • • •	•••••		•••••
CALM	11111111	111111	//////	//////	//////	///////	//////	///////	(11111)	//////	///////	35.7	/////	111111
TOTALS	20.4	17.1	17.9	5.8	3.1	.2	.2					100.0	5.5	8.0
			TC	TAI NIM	IRER OF	OBSERVA	TIONS	649						

TOTAL NUMBER OF OBSERVATIONS 649

STATION NUMBE	R: 724844		ATION N		NOPAH 1	EST RAN	IGE NV			DO OF RE		JAN 83 S: 12-1		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	WIND 8 20-24	SPEED IN 25-29	KNOTS 30-34		40-49			TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	2.7	.6	1.3	.3	.5	• • • • • • •	•••••		• • • • • • •	•••••	••••••	5.4	7.8	5.5
020-040	.8	.3	.9	.5	.2	.3	.2					3.2	12.9	13.0
050-070	.6	.2										.8	2.6	2.0
(E) 080-100	1.4	.6		.2								2.2	4.6	4.0
110-130	3.5	3.8	1.4	.2	.2							9.0	6.4	6.0
140-160	2.8	3.2	2.4	1.3	.3							9.9	8.3	7.0
(\$) 170-190	.9	.6	2.2	.6	1.3							5.7	12.3	12.0
200-220	.6	.5		.2								1.3	5.9	5.0
230-250	.3											.3	3.0	3.0
(W) 260-280	.8	.9	1.3	.2	.2							3.3	8.8	9.0
290-310	2.1	8.8	7.6	2.2	1.4							22.1	10.1	10.0
320-340	3.8	4.9	3.2	1.9	2.4	.3						16.4	10.3	9.0
VARIABLE	: 	•••••	•••••	•••••	• • • • • •	•••••	•••••			•••••	•••••	•••••		• • • • • • • • • • • • • • • • • • • •
CALM	11111111	//////	//////	//////	//////	///////	//////	///////	///////	//////	///////	20.5	/////	111111
TOTALS	20.3	24.4	20.3	7.6	6.5	.6	.2					100.0	7.4	8.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	634						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 HOURS: 15-17 LST TO UTC: + 8 MONTH: DEC -----WIND SPEED IN KNOTS 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN DIRECTION (DEGREES) % WIND WIND (N) 350-010 2.4 1.4 .2 .2 .2 .2 4.5 6.6 4.0 020-040 .5 .6 .8 .8 .3 .3 12.5 3.4 12,0 050-070 (E) 080-100 .5 .3 .8 4.4 4.0 110-130 5.1 2.7 1.0 8.8 4.9 4.0 140-160 3.5 3.5 1.4 .3 9.0 6.8 6.0 (S) 170-190 2.9 4.0 .5 1.8 9.1 7.0 6.0 .3 200-220 1.9 2.6 .2 .3 .5 5.8 8.2 6.0 230-250 1.1 1.4 2.6 4.8 5.0 (W) 260-280 2.9 3.7 ٠5 .2 7.2 5.8 6.0 290-310 4.8 6.9 8.0 2.4 1.6 23.8 9.7 10.0 320-340 2.7 3.0 2,2 .8 10.9 9.9 2.1 8.0 VARIABLE CALM TOTALS 28.3 30.1 16.2 6.1 3.8 1.0 .2 100.0 6.8 6.0

TOTAL NUMBER OF OBSERVATIONS 623

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STATION NUMBER	R: 724844		ATION N T TO UT		NOPAH 1	EST RAI	NGE NV			DD OF RE	CORD : HOUR	JAN 83 S: 18-2		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19			N KNOTS 30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIA:
(N) 350-010	.5	1.3	.8	.3	.2	•••••	•••••		• • • • • • •	• • • • • •		3.2	9.0	9.0
020-040	.5	.3	.3	.3								1.5	8.9	6.0
050-070	.2											.2	4.0	4.0
(E) 080-100	.5	.5										1.0	4.5	5.0
110-130	2.3	1.5	.8	.2								4.8	5.8	5.0
140-160	4.0	3.2	.5	.2	.2	.2						8.1	6.0	5.0
(S) 170-190	3.2	4.5	.8	.2								8.6	5.8	5.5
200-220	4.6	3.2	.7		.2		.2					8.8	5.7	4.0
230-250	4.5	3.0					.2					7.6	5.0	4.0
(W) 260-280	5.1	4.6	1.2	.2								11.1	5.4	5.0
290-310	2.3	8.1	9.8	1.7								21.9	9.4	10.0
320-340	1.2	1.5	2.7	.8								6.1	9.4	10.0
VARIABLE	<u>'</u> !	• • • • •			•••••	• • • • • •	•••••		•••••	• • • • • • •	• • • • • • •		• • • • • •	• • • • • •
CALM	////////	/////	1111111	//////	//////	//////	//////	//////	//////	//////	///////	17.1	/////	//////
TOTALS	28.9	31.7	17.6	3.9	.6	.2	.4					100.0	5.9	6.0
			TO	TAL NUM	BER OF	OBSERV	ATIONS	603						

STATION NUMBE	R: 724844		ATION N T TO UT	AME: TO	NOPAH T	EST RAN	IGE NV			D OF RE		JAN 83		0
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
(N) 350-010	1.2	1.0	1.5	.5	.2		*****	• • • • • • •	•••••	*****	• • • • • • • •	4.3	9.2	9.0
020-040		.2	.2	.2								.5	11.3	11.0
050-070	.2											.2	3.0	3.0
(E) 080-100	1.7	.2										1.8	3.5	4.0
110-130	2.0	1.5	.3									3.8	4.9	4.0
140-160	4.3	1.7	.7	.3								7.0	5.3	4.0
(S) 170-190	3.0	1.3	.2	.5	.3	.2	.5					6.0	8.6	4.5
200-220	2.3	8.	.2	.2	.2	.2						3.8	6.2	4.0
230-250	3.3	8.										4.2	3.3	3.0
(W) 260-280	6.0	4.3	1.0									11.3	4.9	4.0
290-310	4.7	8.0	7.2	1.2	.2							21.2	8.1	7.0
320-340	3.3	1.8	2.5	.3	.3							8.3	7.4	6.5
VARIABLE	; !	•••••	•••••	•••••			•••••	• • • • • • •		• • • • • •		•••••		•••••
CALM	11111111	//////	///////	//////	//////	///////	//////	'//////	///////	//////	///////	27.5	/////	/////
TOTALS	32.0	21.6	13.8	3.2	1,2	.4	.5					100.0	4.9	5.0
			TO	TAL NUM	BER OF	OBSERVA	TIONS	600						

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PE

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: DEC HOURS: ALL

TO UTC: + 8	MONTH: DEC	HOURS: AL

				••					1101111		HOOK	J. ALL		
DIRECTION	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIA
(DEGREES)	i	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • •		• • • • • • •	• • • • • • •	•••••	***************************************	WIND	WIND
(N) 350-010	2.0	1.0	.9	.3	.2	.0	.0		• • • • • • •	• • • • • • •	• • • • • •	4.4	7.5	5.0
020-040	.8	.3	.4	.2	.1	.1	.0					1.9	8.9	6.0
050-070	.3	.0										.3	2.5	2.0
(E) 080-100	1.2	.3	.1	.0								1.6	3.9	3.0
110-130	2.7	2.2	.8	.1	.0							5.9	5.7	5.0
140-160	2.9	2.2	1.1	.4	.2	.0						6.9	6.9	5.0
(s) 170-190	2.1	1.7	.8	.2	.3	.1	.1					5.3	7.6	5.0
200-220	1.8	1.1	.1	.1	.1	.1	.1					3.5	6.5	4.0
230-250	1.9	1.0	.0				.0					3.0	4.3	4.0
(w) 260-280	3.6	2.8	1.0	.2	.1							7.6	5.7	5.0
290-310	4.7	7.2	6.3	1.8	.5		.0					20.6	8.7	8.0
320-340	3.0	3.0	2.9	1.0	.7	.1						10.6	8.9	8.0
VARIABLE		• • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • •	•••••	•••••		• • • • • • •		• • • • • • •	• • • • • • •		•••••
CALM	1111111	//////	//////	//////	//////	//////	//////	//////	///////	///////	///////	28.4	/////	'/////
TOTALS	27.0	22.8	14.4	4.3	2.2	.4	.2					100.0	5.3	6.0
			10	TAL NUM	BER OF	OBSERVA	TIONS	4973						

TOTAL NUMBER OF OBSERVATIONS 497.

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PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: DEC HOURS: ALL

LST TO UTC: + 8 MONTH: DEC

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	1-4	5-9	10-14	15-19		PEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)	i		•••••	• • • • • • •	•••••	•••••	• • • • • •	•••••	******		•••••	%	WIND	WIND
(N) 350-010	4.3	• • • • • •	.6	• • • • • •	• • • • • • •	•••••	•••••		• • • • • • •		•••••	5.0	3.9	4.0
020-040	4.3	3.1	.6									8.1	4.8	4.0
050-070	1.2	.6										1.9	3.7	4.0
(E) 080-100	1.9											1.9	2.3	2.0
110-130	3.1	3.1	2.5									8.7	6.2	5.5
140-160	4.3	3.1	1.2									8.7	5.1	4.5
(s) 170-190	.6	1.9	2.5	.6	2.5		.6					8.7	14.0	11.5
200-220	1.2	.6	.6	1.2	1.9	.6	.6					6.8	16.5	18.0
230-250	1.9						.6					2.5	9.5	3.0
(W) 260-280	.6	1.9	1.2									3.7	7.2	7.5
290-310	1.9	4.3	1.9	.6								8.7	7.4	7.0
320-340	1.9	2.5	1.2									5.6	6.6	5.0
VARIABLE	 	• • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • •	• • • • • • •						•••••		
CALM	1111111	//////	///////	///////	///////	///////	//////	1111111	///////	1111111	///////	29.8	/////	//////
TOTALS	27.2	21.1	12.3	2.4	4.4	.6	1.8					100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 161

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844	STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8	PERIOD OF RECOMMONTH: ALL	RD: JAN 83 - MAR 90 HOURS: ALL
		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •

WIND SPEED IN KNOTS DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	2.0	1.4	.8	.2	.1	.0	.0	.0	.0	•••••		4.5	6.5	5.0
020-040	1.1	.6	.3	.1	.0	.0	.0					2.2	6.1	4.0
050-070	.7	.2	.0	.0	.0							1.0	4.0	3.0
(E) 080-100	1.2	.5	.1	.0	.0							1.9	4.6	4.0
110-130	2.6	2.4	.7	.1	.0							5.9	5.8	5.0
140-160	3.3	3.4	1.6	.5	.2	.0	.0					9.0	7.1	6.0
(S) 170-190	2.8	3.8	3.3	1.4	.6	.2	.1	.0				12.2	9.4	8.0
200-220	2.0	2.8	2.1	.6	.3	.1	.0	.0				7.8	8.4	8.0
230-250	1.9	1.6	.5	.1	.0	.0	.0					4.2	5.8	5.0
(W) 260-280	3.0	3.2	1.3	.3	.1	.0	.0					8.0	6.7	6.0
290-310	3.9	5.5	3.7	1.5	.6	.2	.0	.0				15.4	8.7	8.0
320-340	3.0	3.3	2.2	1.0	.4	.1	.0	.0				10.1	8.6	7.0
VARIABLE	! !	• • • • • •			• • • • • •				• • • • • • • • • • • • • • • • • • • •	• • • • • • •		• • • • • • •	•••••	
CALM	///////	//////	1111111	1111111	///////	////////	11/////	(//////	//////	//////	///////	17.8	/////	//////
TOTALS	27.5	28.7	16.6	5.8	2.3	.6	.1				•	100.0	6.3	6.0
			TC	TAI MIN	IBED OF	ORSERVA	TIONS-	60659						

TOTAL NUMBER OF OBSERVATIONS: 60659

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90

MONTH: ALL HOURS: ALL

CATEGORY A:	CEILING G	200	BUT LES			EET WIT	H VISIB	ILITY GE	E 1/2 N	11LE (08	300 METE	RS).	• • • • • •	•••••
	VISIBILITY	GE	1/2 MILE	AND/01 (0800		BUT LE	SS THAN	3 MILES	s (4800	METERS	HTIW (3	CEILING	GE 200	FEET.
DIRECTION	1-4	5-9	10-14	15-19		SPEED IN 25-29		35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)	•	• • • • •	• • • • • • • •	• • • • • •	• • • • • • •	· · · · · · · ·		•••••	• • • • • •	• • • • • • •	•••••	%	WIND	WIND
(N) 350-010	1.7	1.3	.8	• • • • • •	• • • • • • •			.1			•••••	4.0	7.0	6.0
020-040	2.3	3.5	.4									6.1	5.7	6.0
050-070	.8	.3										1.1	3.3	3.0
(E) 080-100	2.5	1.2	.4							•		4.1	4.7	4.0
110-130	3.3	3.2	3.5	.7	.1							10.8	7.9	7.0
140-160	3.3	6.1	4.1	2.0	.1							15.7	8.8	8.0
(S) 170-190	.8	1.7	2.7	1.2	1.6	.1	.5					8.7	13.5	12.0
200-220	.8	.4	.5	.4	.9	,1	.1					3.3	13.8	14.0
230-250	.4	.3	.5				.1					1.3	10.1	9.5
(W) 260-280	.3	1.9	1.7	.1	.1							4.1	9.2	8.0
290-310	1.7	3.9	4.1	2.9	1.5	.9	.1	.1				15.3	12.6	12.0
320-340	2.0	3.1	2.0	1.1	.5	.4	.3					9.3	10.6	8.0
VARIABLE	<u>.</u>	• • • •	• • • • • • •	• • • • • •	• • • • • • •		•••••		• • • • • •	•••••				•••••
CALM	11111111	////	////////	//////	//////	///////	///////	///////	//////	///////	///////	16.1	/////	111111
TOTALS	19.9	26.9	20.7	8.4	4.8	1.5	1.1	.2				100.0	8.2	8.0

TOTAL NUMBER OF OBSERVATIONS: 751

PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP			AAA AAAA	RRRR RRRR	RRRR RRRRR					
PP	PP	AA	AA	RR	RR	TT	DD	DD		
PP	PP	AA	AA	RR	RR	TT	DD	DD		
PPPPP	PPPP	AA	AA	RRRR	RRRRR	TT	DD	DD		
PPPPP	PPP	AAAAA	AAAAA	RRRR	RRRR	TŤ	DD	DD		
PP ·		AAAAA	AAAA	RR	RR	TT	DD	DD		
PP		AA	AA	RR	RR	ŤŤ	DD	DD		
PP		AA	AA	RR	RR	77	DODDDD			
PP		AA	AA	RR	RR	TT	DDDDDD			

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PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION
OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-"NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES
(METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE
TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

- NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."
- NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.
- CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
 FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.
- SKY COVER--PERCENT OCCURRENCE FREQUENCY.

 ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE
 OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT
 AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURRED, OR TOTALLY
 OBSCURRED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES
 POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE
 SAME AS FOR PREVIOUS TABLE.
- NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS," HOWEVER, ARE INCLUDED.

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN HOURS: 00-02 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GE GE GE GE GE GE GE GE GE GE IN GF 2 1/2 1 1/2 1 1/4 3/4 FEET 6 4 3 2 1 5/8 1/2 3/8 1/4 0 NO CEIL 78.7 78.7 78.9 78.9 79.0 79.0 79.2 79.2 79.2 79.8 79.9 79.9 80.3 80.3 80.8 85.6 85.6 85.6 GE 20000 85.2 85.2 85.3 85.3 85.4 85.4 86.2 86.3 86.3 86.8 GE 18000 86.0 86.2 86.3 86.3 86.5 86.5 86.5 87.0 87.2 87.2 87.6 87.6 88.1 86.2 88.1 86.0 87.2 86.2 86.3 86.5 86.5 87.0 87.2 87.6 86.2 86.3 86.5 87.6 88.1 GE 16000 86.0 86.0 88.1 86.9 87.0 87.0 87.2 88.4 GE 14000 86.9 87.2 87.2 87.8 87.9 87.9 88.8 86.8 86.8 88.4 88.8 89.2 GE 12000 88.1 88.1 88.2 88.2 88.4 88.4 88.5 88.5 88.5 89.1 89.2 89.7 89.7 90.1 90.1 10000 90.1 90.1 90.2 90.2 90.4 90.4 90.5 90.5 90.5 91.1 91.3 91.3 91.7 91.7 92.1 92.1 ĢΕ 91.4 9000 90.2 90.4 90.4 90.5 90.5 90.7 90.7 90.7 91.3 91.4 91.8 91.8 92.3 92.3 GE 90.2 91.7 91.7 91.8 91.8 92.0 92.0 92.0 92.6 92.7 92.7 93.2 93.2 93.6 93.6 GE 8000 91.6 91.6 93.6 7000 91.6 91.7 91.7 91.8 91.8 92.0 92.0 92.0 92.6 92.7 92.7 93.2 93.2 93.6 91.6 GE 91.7 91.8 91.8 92.0 92.0 92.1 92.1 92.1 92.7 92.9 92.9 93.3 93.7 6000 91.7 GE 92.1 92.3 92.4 92.4 93.0 93.2 93.2 93.6 94.0 92.1 92.3 92.4 93.6 94.0 92.0 GE 5000 92.0 92.7 93.6 94.5 4500 92.4 92.4 92.6 92.6 92.7 92.9 92.9 92.9 93.4 93.6 94.0 94.0 94.5 GE 4000 93.3 93.3 93.6 93.7 93.9 93.9 94.0 94.0 94.0 94.6 94.8 94.8 95.2 95.2 95.6 95.6 GE 93.4 94.6 94.6 3500 93.7 94.2 94.3 94.5 94.5 94.6 95.2 95.3 95.3 95.8 95.8 96.2 96.2 GE 3000 93.7 96.4 96.8 GE 94.9 95.2 95.2 95.2 95.8 95.9 95.9 96.4 96.8 GE 2500 93.4 93.7 94.3 94.6 94.9 96.4 96.8 95.5 96.5 96.5 97.4 2000 94.9 95.2 95.5 95.8 95.8 96.4 96.5 96.9 96.9 97.4 95.8 GE 94.0 94.3 95.2 94.9 95.5 95.5 95.8 95.8 95.8 96.4 96.5 96.9 97.4 97.4 94.0 94.3 96.9 GE 1800 96.8 97.4 96.9 1500 94.3 94.6 95.2 95.5 95.8 95.8 96.2 96.2 96.2 96.9 97.4 97.8 97.8 GE 1200 94.3 94.6 95.2 95.5 95.8 95.8 96.2 96.5 96.5 97.1 97.2 97.2 97.7 97.7 98.1 98.1 GE 98.1 GE 1000 94.6 94.9 95.5 95.8 96.1 96.1 96.5 96.8 96.8 97.5 97.7 97.7 98.1 98.5 98.5 95.5 97.5 97.7 97.7 98.5 900 94.9 95.8 96.1 96.1 96.5 96.8 96.8 98.1 98.1 98.5 94.6 GE 95.5 95.5 97.5 94.9 96.1 96.5 96.8 97.7 97.8 98.3 98.3 98.7 98.7 800 94.6 95.8 96.1 96.8 GE 97.7 98.4 96.1 96.8 97.8 98.0 98.8 98.8 GΕ 700 94.6 94.9 95.8 96.1 96.5 96.8 98.4 97.7 98.1 99.n GE 600 94.6 94.9 95.5 95.8 96.1 96.1 96.5 96.8 96.8 98.0 98.5 98.5 90.0 97.8 500 94.6 94.9 95.5 95.8 96.2 96.2 96.7 96.9 96.9 98.1 98.3 98.7 98.7 99.1 99.1 GE 97.1 95.6 97.1 98.0 98.3 98.4 98.8 98.8 99.3 99.3 GE 400 94.8 95.1 95.9 96.4 96.4 96.8 97.2 97.2 98.4 99.7 300 94.8 95.1 95.8 96.1 96.5 96.5 96.9 98.1 98.7 99.3 99.3 99.7 GE 200 95.1 95.8 96.1 96.5 96.5 96.9 97.2 97.2 98.1 98.4 98.7 99.4 99.4 99.9 99.9 GE 94.8 95.8 97.2 97.2 98.3 99.6 96.1 96.9 98.5 98.8 100.0 GE 100 94.8 95.1 96.5 96.5 99.6 100.0 000 94.8 95.1 95.8 96.1 96.5 96.5 96.9 97.2 97.2 98.3 98.5 98.8 99.6 99.6 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 687

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: JAN HOURS: 03-05

											HON	III. JAN	HOOK	3. 05-0	,,		
CEI	CEILING VISIBILITY IN STATUTE MILES														• • • • • •		
	N	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	CE
	ET	7	6	5	4	3	2 1/2	2		1 1/4	1						GE
re		'	•	,	*	,	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
• • •	• • • • • •		•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	•••••	• • • • • • • •	• • • • • • • •	• • • • • • •	•••••	• • • • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • •
ш		70.7	79.0	79.1	79.1	79.3	79.3	79.3	79.3	79.3	70 /	70 /	70 /	70.7	70.0	00.0	
NU	CEIL	78.7	79.0	79.1	79.1	17.3	19.3	14.3	79.3	19.5	79.4	79.4	79.4	79.7	79.8	80.0	80.0
	30000	0/ 5	0/ 0	9/ 0	9/ 0	OE 1	85.1	OF 4	OF 4	OF 1	95 3	05.0	05 0	05 5	AF 7	05.0	
	20000		84.8	84.9	84.9	85.1		85.1	85.1	85.1	85.2	85.2	85.2	85.5	85.7	85.8	85.8
	18000		85.4	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	86.1	86.2	86.4	86.4
	16000		85.4	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	86.1	86.2	86.4	86.4
	14000		85.4	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	86.1	86.2	86.4	86.4
GE	12000	86.5	86.8	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.5	87.6	87.8	87.8
	10000		87.8	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.5	88.6	88.8	88.8
GE	9000	87.5	87.8	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88. 5	88.6	88.8	88.8
GE	8000	89.5	89.8	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.5	90.6	90.8	90.8
GE	7000	89.5	89.8	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.5	90.6	90.8	90.8
GE	6000	89.5	89.8	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.5	90.6	90.8	90.8
	·	İ															
GE	5000	89.6	89.9	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.5	90.5	90.5	90.8	90.9	91.1	91.1
GE	4500	89.9	90.2	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.8	90.8	90.8	91.1	91.2	91.3	91.3
GE	4000	90.5	91.1	91.3	91.5	91.6	91.6	91.6	91.6	91.6	91.8	91.8	91.8	92.0	92.2	92.3	92.3
GE	3500	91.5	92.0	92.3	92.5	92.6	92.6	92.6	92.6	92.6	92.8	92.8	92.8	93.0	93.2	93.5	93.5
GE	3000	92.2	92.8	93.2	93.3	93.5	93.6	93.8	93.8	93.8	93.9	93.9	93.9	94.2	94.3	94.6	94.6
	2000	,															
GE	2500	92.2	92.8	93.2	93.3	93.5	93.6	93.8	93.8	93.8	93.9	93.9	93.9	94.2	94.3	94.6	94.6
GE	2000		94.0	94.5	94.6	94.9	95.0	95.2	95.2	95.2	95.5	95.5	95.5	95.7	95.9	96.2	96.2
GE	1800		94.0	94.5	94.6	94.9	95.0	95.2	95.2	95.2	95.5	95.5	95.5	95.7	95.9	96.2	96.2
GE		93.8	94.3	94.7	94.9	95.2	95.3	95.5	95.5	95.5	95.7	95.7	95.7	96.0	96.2	96.4	96.4
GE	1200		94.9	95.3	95.5	95.7	95.9	96.2	96.4	96.4	96.7	96.7	96.7	97.0	97.2	97.4	97.4
GE	1200]	74.2	74.7	77.3	73.3	73.1	73.7	70.2	70.4	70.4	70.7	70.1	70.7	77.0	71.2	71.4	71.4
GE	1000	94.5	95.2	95.7	96.0	96.9	97.2	97.6	97.9	97.9	98.2	98.2	98.2	98.4	98.6	98.9	98.9
GE	900	94.5	95.2	95.7	96.0	96.9	97.2	97.6	97.9	97.9	98.2	98.2	98.2	98.4	98.6	98.9	98.9
GE	800	94.5	95.2	95.7	96.0	96.9	97.2	97.6	97.9	97.9	98.3	98.3	98.3	98.6	98.7	99.0	99.0
GE	700	94.5	95.2	95.7	96.0	96.9	97.2	97.6	97.9	97.9	98.3	98.3	98.3	98.6	98.7	99.0	99.0
										97.9	98.3						99.6
GE	600	94.5	95.2	95.7	96.0	96.9	97.2	97.6	97.9	71.7	90.3	98.4	98.4	98.7	98.9	99.6	77.0
GE	500	94.5	95.2	95.7	96.0	96.9	97.2	97.6	97.9	97.9	98.3	98.4	98.4	98.7	98.9	99.6	99.6
			95.2	95.7	96.0	96.9	97.2	97.6	97.9	97.9	98.3	98.4	98.4	98.7	98.9	99.6	99.6
GE	400	94.5															
GE	300	94.5	95.2	95.7	96.0	96.9	97.2	97.6	97.9	97.9	98.3	98.4	98.4	98.7	98.9	99.6	99.6
GE	200	94.5	95.2	95.7	96.0	96.9	97.2	97.6	97.9	97.9	98.3	98.4	98.4	98.7	98.9	99.6	99.6
GE	100	94.5	95.2	95.7	96.0	96.9	97.2	97.6	97.9	97.9	98.3	98.4	98.4	98.7	98.9	99.9	99.9
	000	ا مر د	or -	oe =	04.0	04.0	07.3	07 (07.0	07.0	00.7	08 /	00.7	00 7	00.0	100.0	100.0
GE	000	94.5	95.2	95.7	96. 0	96.9	97.2	97.6	97.9	97.9	98.3	98.4	98.4	98.7	98.9	100.0	100.0
																. .	

TOTAL NUMBER OF OBSERVATIONS 704

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN HOURS: 06-08

	LST TO UTC: + 8										MONTH: JAN HOURS: 06-08						
CEI	LING	• • • • • •				• • • • • • •	VISIRII	ITY IN	STATUT	F MILES	· · · · · · · ·	• • • • • • •	• • • • • •		• • • • • • •	• • • • • • •	•••••
	N I	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FE		7	6	5	4	3	2 1/2	2		1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
		• • • • • •															
			70.0	70.0	-i o	70.0	72.0	72.0	72.0	72.0	72.0	77 0		77 7			
NO	CEIL	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.3	73.3	73.7	73.8
GE	20000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.5	77.5	77.7	77.7	78.1	78.3
GE	18000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	79.1	79.1	79.5	79.6
GE	16000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	79.1	79.1	79.5	79.6
GE	14000	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.9	79.9	80.3	80.4
GE	12000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.9	81.9	82.3	82.5
GE	100001	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.6	84.6	85.0	85.2
GE	9000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.5	84.5	84.8	84.8	85.2	85.3
GE	8000	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9	87.2	87.2	87.6	87.7
GE	7000		87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.6	87.6	88.0	88.1
GE	6000	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.6	87.9	87.9	88.3	88.4
05	E000 I	077	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.6	87.9	87.9	88.3	88.4
GE		87.3			87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.9	87.9	88.1	88.1	88.5	88.7
GE	4500	87.6	87.7	87.7 88.5	88.5	88.5	88.5	88.7	88.7		88.8	88.9	88.9	89.2	89.2	89.6	89.7
GE	4000		88.5							88.7			89.1				
GE	3500		88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.9	89.1 90.8	90.8	89.3	89.3	89.7	89.9
GE	3000	89.9	90.0	90.0	90.3	90.3	90.4	90.6	90.6	90.6	90.7	90.0	90.0	91.1	91.1	91.5	91.6
GE	2500	90.3	90.4	90.4	90.7	90.7	90.8	91.0	91.0	91.0	91.1	91.2	91.2	91.5	91.5	91.9	92.0
GE	2000	91.4	91.5	91.6	91.9	92.0	92.2	92.3	92.3	92.3	92.4	92.6	92.6	92.8	92.8	93.3	93.4
GE	1800	91.5	91.6	91.9	92.2	92.3	92.4	92.6	92.6	92.6	92.7	92.8	92.8	93.1	93.1	93.5	93.7
GE	1500	91.9	92.0	92.3	92.6	92.7	92.8	93.0	93.0	93.0	93.1	93.3	93.3	93.5	93.5	93.9	94.1
GE	1200	92.0	92.2	92.4	92.7	92.8	93.0	93.3	93.3	93.3	93.4	93.5	93.5	93.8	93.8	94.2	94.3
GE	1000	92.2	92.3	92.6	92.8	93.3	93.4	94.1	94.3	94.5	94.7	95.0	95.1	95.8	95.8	96.2	96.4
GE	900	92.2	92.3	92.6	92.8	93.3	93.4	94.1	94.3	94.5	94.7	95.0	95.1	96.0	96.0	96.4	96.5
GE	800	92.6	92.7	93.0	93.3	93.7	93.8	94.5	94.7	94.9	95.1	95.4	95.5	96.4	96.4	96.8	96.9
GΕ	700		92.7	93.0	93.3	93.7	93.8	94.6	94.9	95.0	95.3	95.5	95.7	96.5	96.5	96.9	97.0
GE	600	92.6	92.8	93.1	93.4	94.1	94.2	95.0	95.7	96.0	96.2	96.5	96.8	97.8	97.8	98.2	98.4
GE	5001	92.7	93.0	93.3	93.5	94.2	94.3	95.1	95.8	96.1	96.5	96.9	97.2	98.2	98.2	98.8	98.9
				93.4	93.7	94.6	94.7	95.5	96.2	96.5	96.9	97.3	97.6	98.7	98.7	99.2	99.3
GE	400		93.0		93.7 93.7		94.7				97.0	97.4	97.7	98.8	98.8	99.3	99.5
GE	300 200	92.7	93.0	93.4		94.7	94.9	95.7 95.8	96.4	96.6 96.8	97.0	97.4	97.8	98.9	98.9	99.7	99.9
GE		92.7	93.0	93.4	93.7	94.7			96.5			97.6	97.8				
GE	100	92.7 I	93.0	93.4	93.7	94.7	94.9	95.8	96.5	96.8	97.2	71.0	41.0	98.9	99.1	99.9	100.0
GE	000	92.7	93.0	93.4	93.7	94.7	94.9	95.8	96.5	96.8	97.2	97.6	97.8	98.9	99.1	99.9	100.0
•••								<i>.</i>			•••••	• • • • • •			• • • • • • •	• • • • • •	

TOTAL NUMBER OF OBSERVATIONS 741

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN HOURS: 09-11

				1 10 01		MONTH: JAN HOURS: UY-11										
CEILING VISIBILITY IN STATUTE MILES																
IN	! GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
										• • • • • •	_, . 					
	1															
NO CEIL	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6	69.9
	Ì															
GE 20000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.6
GE 18000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	78.1
GE 16000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.8
GE 14000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.5
GE 12000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.1	84.3
	i															
GE 10000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.3	85.5
GE 9000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.5	85.8
GE 8000	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.2	87.2	87.2	87.3	87.6
GE 7000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.8	88.1
GE 6000		88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.4	88.6
	1															
GE 5000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	89.1	89.3
GE 4500	•	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.1	89.1	89.1	89.2	89.5
GE 4000		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.1	90.4
GE 3500		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.1	90.4
GE 3000		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.6	91.9
	1									,					, , , ,	
GE 2500	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.2	92.2	92.2	92.3	92.6
GE 2000		93.0	93.1	93.5	93.5	93.5	93.8	93.8	93.8	93.8	93.9	94.1	94.1	94.1	94.2	94.5
GE 1800		93.1	93.2	93.6	93.6	93.6	93.9	93.9	93.9	93.9	94.1	94.2	94.2	94.2	94.3	94.6
GE 1500		93.1	93.2	93.6	93.6	93.6	93.9	93.9	93.9	93.9	94.1	94.2	94.2	94.2	94.3	94.6
GE 1200		93.5	93.6	94.1	94.2	94.2	94.6	94.6	94.6	94.6	94.7	94.9	94.9	94.9	95.0	95.3
GL 1200	1 73.3	/3.3	,,,,	,4.,	,4.6	, 4.0	74.0	,4.0	,4.0	,4.0	, , , ,	,4.,	,4.,	/4./	,,,,	,,,,
GE 1000	93.8	93.8	94.3	94.9	95.0	95.0	95.9	95.9	95.9	95.9	96.4	96.5	96.5	96.5	96.6	96.9
GE 900		93.8	94.5	95.0	95.1	95.1	96.1	96.1	96.1	96.1	96.5	96.6	96.6	96.6	96.8	97.0
GE 800		93.8	94.5	95.0	95.1	95.1	96.1	96.2	96.2	96.2	96.6	96.8	96.8	96.8	97.0	97.3
GE 700		93.9	94.6	95.1	95.3	95.3	96.2	96.4	96.4	96.4	97.2	97.4	97.4	97.4	97.7	98.0
GE 600		94.2	95.0	95.5	95.7	95.7	96.8	96.9	96.9	97.0	97.8	98.1	98.2	98.2	98.5	98.8
GE 000	1	74.6	73.0	,,,	,,,,	,,,,	70.0	70.7	70.7	,,,,	,,,,	,0.1	70.2	70.2	70.5	70.0
GE 500	94.2	94.2	95.0	95.5	95.7	95.7	96.8	96.9	96.9	97.0	98.1	98.5	98.6	98.6	98.9	99.2
GE 400		94.2	95.0	95.5	95.7	95.7	96.8	96.9	96.9	97.0	98.2	98.6	98.8	98.8	99.1	99.3
GE 300		94.2	95.1	95.7	95.8	95.8	96.9	97.2	97.2	97.3	98.5	98.9	99.1	99.1	99.5	99.7
GE 200	,	94.2	95.1	95.7	95.8	95.8	96.9	97.2	97.2	97.3	98.5	98.9	99.1	99.1	99.5	99.7
GE 100	,	94.2	95.1	95.7	95.8	95.8	96.9	97.2	97.2	97.3	98.5	98.9	99.2	99.2	99.7	100.0
GE 100	77.2 	74.6	73.1	73.1	,,,,	,,,,	70.7	71.6	,,,c	77.3	70.7	70.7	77.2	77.6	77.1	100.0
GE 000	94.2	94.2	95.1	95.7	95.8	95.8	96.9	97.2	97.2	97.3	98.5	98.9	99.2	99.2	99.7	100.0
										••••			,,,,,			

TOTAL NUMBER OF OBSERVATIONS 740

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: JAN HOURS: 12-14

											110111		ooke		•		
CEILING VISIBILITY IN STATUTE MILES																	
	N	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GÉ	GE	GE	GE	GE
FE	ET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
	. .																
		1															
NO	CEIL	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
NO	CCIL		٠٠.٠	00.0	٠٠.٠	00.0	00.0	••••	00.0	00.0	00.0	00.0	00.0	00.0	00.0	٠٠.٠	00.0
		l															
	20000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE	18000	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GΕ	16000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE	14000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
	12000	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
ĢE	12000	4.00	67.4	05.4	07.4	65.4	65.4	67.4	03.4	03.4	07.4	UJ.4	U).4	05.4	05.4	07.4	65.4
											•••						
GE	10000	87.0	87.0	87.0	87.0	87.0	87.0	87. 0	87.0	87.0	87.0	87.0	87.0	87. 0	87.0	87.0	87.0
GE	9000	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE	8000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	8.85	88.8
GE	7000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE	6000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
ĢE	9000	09.5	07.3	07.7	07.3	07.3	07.3	07.5	09.5	07.3	07.5	07.5	67.5	07.5	07.5	07.5	07.5
GE	5000	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE	4500	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE	4000	91.3	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE	3500	91.4	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
						93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.	93.0	93.0	93.0	93.0
GE	3000	92.7	92.8	92.8	92.8	73.0	93.0	73.0	73.0	73.0	73.0	73.0	73.	73.0	73.0	93.0	93.0
GE	2500	93.2	93.4	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE	20001	94.6	94.8	94.9	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE	1800 İ	94.6	94.8	94.9	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE	1500	95.3	95.4	95.7	96.0	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE	1200	95.6	95.7	96.1	96.4	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
ÜE	1200]	77.0	73.1	70.1	70.4	70.0	70.0	70.0	97.0	71.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE	1000	96.3	96.4	97.1	97.4	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GĒ	900	96.3	96.4	97.1	97.4	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE	800	96.3	96.4	97.1	97.4	97.8	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE	700	96.3	96.4	97.1	97.4	97.8	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
GE	600		96.4	97.1	97.4	97.8	97.9	97.9	98.2	98.2	98.3	98.3	98.3	98.5	98.5	98.5	98.5
GE	900	70.3	70.4	97.1	97.4	77.0	71.7	71.7	70.2	70.2	70.3	70.3	70.3	70.3	70.5	70.7	70.5
			A				00.7	00.7	00 (00 /	00.0	00.0	^^ ^	00.7	oo =	00 -	00.7
GE	500		96.7	97.4	97.8	98.2	98.3	98.3	98.6	98.6	99.0	99.0	99.0	99.3	99.3	99.3	99.3
GE	400	96.6	96.7	97.4	97.8	98.2	98.3	98.3	98.6	98.6	99.0	99.0	99.0	99.3	99.3	99.3	99.3
GE	300	96.6	96.7	97.5	98.1	98.5	98.6	98.8	99.2	99.2	99.6	99.6	99.6	99.9	99.9	100.0	100.0
GE	200	96.6	96.7	97.5	98.1	98.5	98.6	98.8	99.2	99.2	99.6	99.6	99.6	99.9	99.9	100.0	100.0
GE	100	96.6	96.7	97.5	98.1	98.5	98.6	98.8	99.2	99.2	99.6	99.6	99.6	99.9	99.9	100.0	100.0
UE	100	70.0	70.7	71.3	70.1	70.3	70.0	70.0	77.6	77.L	,,.0	77.0	77.0	77.7	77.7	100.0	100.0
	000	٠						00.0	~ ~	~ .	oo (00.7	00.7	00.0	00.0	400 0	***
GE	000	96.6	96.7	97.5	98.1	98.5	98.6	98.8	99.2	99.2	99.6	99.6	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 725

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN HOURS: 15-17 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GE GE GE GE IN GE GE GE 2 1/2 2 1 1/2 1 1/4 4 3 FEET 1 3/4 5/8 1/2 NO CEIL 69.6 69.6 69.6 69.6 69.6 69.6 69.6 69.6 69.6 69.6 69.6 69.6 69.6 69.6 69.6 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 GE 20000 80.0 80.0 80.0 80.0 80.0 80.0 80.0 82.2 GE 18000 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 GE 16000 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 GE 14000 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 86.7 GE 12000 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 88.2 88.2 GE 10000 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 9000 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 GE 88.2 88.2 89.6 89.6 89.6 89.6 89.6 89.6 89.6 GE 8000 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 GE 7000 89.9 GE 6000 89.9 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 GE 5000 90.3 90.3 90.3 90.3 90.3 GE 4500 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 92.3 92.3 92.3 92.3 GE 4000 92.3 92.3 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 93.4 3500 93.3 93.3 93.3 93.3 93.3 93.3 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 GE 3000 94.5 94.5 94.5 GE GE 2500 94.8 94.8 95.1 95.1 95.1 95.1 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.5 96.2 96.4 96.4 96.5 96.9 96.9 2000 96.4 96.5 96.5 96.5 96.8 96.8 96.9 GE 96.9 96.4 95.2 96.4 96.5 96.5 96.8 96.9 96.9 1800 95.5 96.2 96.4 96.9 GE 96.5 96.5 96.8 96.9 GE 1500 95.4 95.7 96.4 96.5 96.5 96.5 96.6 96.6 96.6 96.6 96.9 96.9 97.1 97.1 97.1 97.1 97.1 97.3 97.8 97.8 GE 1200 96.4 97.2 97.2 97.2 97.3 97.3 97.3 97.6 97.6 97.8 97.8 97.3 97.5 97.5 97.5 97.6 97.9 97.9 GE 1000 96.4 96.6 97.9 98.2 98.2 98.3 98.3 98.3 98.3 97.3 97.6 97.6 97.6 98.2 98.5 98.6 96.4 96.6 97.9 98.2 98.2 98.5 98.6 98.6 GE 900 98.6 97.3 97.8 97.8 98.3 98.3 98.6 98.7 96.4 96.6 97.6 98.3 98.6 98.7 GE 800 98.0 98.7 98.7 97.3 97.8 GE 700 96.4 96.6 97.6 97.8 98.0 98.3 98.3 98.3 98.7 98.7 98.9 98.9 98.9 98.9 GE 600 96.4 96.6 97.3 97.6 97.8 97.8 98.0 98.3 98.3 98.3 98.7 98.7 98.9 98.9 98.9 98.9 99.6 99.6 99.6 97.1 97.8 98.0 98.2 98.2 98.5 98.7 98.7 98.7 99.4 99.4 99.6 GE 500 96.8 97.1 98.0 98.2 99.4 99.6 99.6 GE 400 96.8 97.8 98.2 98.5 98.7 98.7 98.7 99.4 99.6 99.6 GΕ 300 96.8 97.1 97.8 98.0 98.2 98.2 98.5 98.9 99.0 99.2 99.9 99.9 100.0 100.0 100.0 100.0 97.1 97.8 98.0 98.2 98.2 98.5 98.9 99.0 99.2 99.9 99.9 GE 200 96.8 100.0 100.0 100.0 100 0 96.8 97.1 97.8 98.0 98.2 98.2 98.9 99.0 GE 100 98.5 99.9 100.0 100.0 100.0 100.0 GE 000 96.8 97.1 97.8 98.0 98.2 98.2 98.5 98.9 99.0 99.2 99.9 99.9 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 714

D-2- 6

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN HOURS: 18-20 VISIBILITY IN STATUTE MILES CEILING GE GE GE GE GE GE GE GE GE IN GE GE GE GE 2 1/2 2 1 1/2 1 1/4 3/4 5 1 5/8 1/2 3/8 4 3 1/4 FEET 6 0 75.7 NO CEIL 75.4 75.4 75.6 75.6 75.6 75.7 75.7 75.7 75.7 75.7 75.7 75.7 75.7 75.7 75.7 80.6 80.6 80.6 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 GE 20000 80.4 80.4 80.7 80.7 82.6 82.6 GE 18000 82.3 82.3 82.4 82.4 82.4 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.9 GE 16000 82.7 82.7 82.9 82.9 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.6 83.6 83.7 83.7 83.7 83.7 83.7 83.7 83.4 83.6 83.7 83.7 83.7 83.7 83.7 GE 14000 83.4 86.6 86.6 86.6 86.6 86.6 GE 12000 86.3 86.3 86.4 86.4 86.4 86.6 86.6 86.6 86.6 86.6 86.6 88.9 88.9 88.9 GE 10000 88.6 88.6 88.7 88.7 88.7 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 GE 9000 88.6 88.6 88.7 88.7 88.7 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 89.6 89.7 89.7 89.7 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 8000 89.6 GE 90,3 90.3 90.3 7000 90.0 90.0 90.1 90.1 90.1 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 GE 90.1 90.3 90.3 90.3 90.4 90.4 90,4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 GE 6000 90.1 91.1 91.3 91.3 91.1 91.1 91.3 91.3 91.3 91.3 91.3 91.3 91.0 91.0 91.3 91.3 91.3 GE 5000 91.7 91.7 91.7 91.7 GE 4500 91.4 91.4 91.6 91.6 91.6 91.7 91.7 91.7 91.7 91.7 91.7 91.7 93.7 93.6 93.7 GΕ 4000 93.4 93.4 93.6 93.6 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 94.1 93.9 93.9 94.0 94.0 94.0 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 GE 3500 95.1 95.0 95.0 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 GE 3000 94.9 95.0 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.4 95.6 95.6 95.6 GE 2500 95.4 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.0 97.1 97.1 96.0 96.7 96.9 GE 2000 95.9 96.7 96.7 97.3 97.1 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 GE 1800 95.9 96.0 96.7 96.7 96.7 96.9 97.9 97.9 GΕ 1500 96.1 96.4 97.3 97.3 97.3 97.4 97.7 98.0 98.0 98.1 98.1 98.1 98.1 98.1 96.6 97.4 97.4 97.4 97.6 97.9 98.0 98.0 98.1 98.1 98.3 98.3 98.3 98.3 98.3 GE 1200 96.3 97.9 99.1 97.9 98.0 98.3 98.4 98.7 99.0 99.1 99.1 99.1 99.1 GE 1000 96.7 97.0 97.9 98.4 99.0 99.1 99.1 97.0 97.9 97.9 97.9 98.0 98.3 98.4 98.4 98.7 99.1 99.1 99.1 96.7 GE 900 97.9 99.1 99.3 99.3 97.0 98.0 98.4 98.6 98.6 98.9 99.3 99.3 99.3 GE 800 96.7 98.0 98.1 99.1 99.3 99.3 97.0 97.9 98.0 98.0 98.1 98.4 98.6 98.6 98.9 99.3 99.3 99.3 GE 700 96.7 98.1 98.7 98.7 99.6 99.0 99.3 99.6 GΕ 600 96.9 97.1 98.0 98.1 98.3 98.6 99.4 99.6 99.6 GE 500 97.0 97.3 98.1 98.3 98.3 98.4 98.7 98.9 98.9 99.1 99.4 99.6 99.7 99.7 99.7 99.7 99.1 99.4 99.6 97.3 98.3 98.7 98.9 98.9 99.7 99.7 99.7 99.7 GE 400 97.0 98.1 98.3 98.4 99.4 100.0 300 97.0 97.3 98.1 98.3 98.3 98.4 98.7 98.9 98.9 99.7 99.9 100.0 100.0 100.0 GE 97.3 98.3 98.3 98.7 98.9 98.9 99.4 99.7 99.9 100.0 100.0 100.0 100.0 97.0 98.1 98.4 GE 200 99.7 98.9 99.9 100.0 98,1 98.9 100.0 100.0 100.0 GE 100 97.0 97.3 98.3 98.3 98.4 98.7 99.4 99.7 99.9 100.0 100.0 100.0 100.0 GE 000 97.0 97.3 98.1 98.3 98.3 98.4 98.7 98.9 98.9

TOTAL NUMBER OF OBSERVATIONS 700

3.7

D - 2 - 7

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN HOURS: 21-23 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GE GE GE GE GE GE GE GE GF IN GE GE 2 1/2 1 1/2 1 1/4 5 4 3 2 5/8 FEET 6 1 3/4 1/2 3/8 1/4 0 NO CEIL 79.9 80.1 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 GE 20000 85.8 85.9 85.9 85.9 85.9 85.9 GE 18000 86.8 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.5 86.9 86.9 86.5 86.8 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 GE 16000 86.9 86.9 88.2 88.2 88.2 GE 14000 87.8 88.1 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 89.9 89.9 89.9 89.9 89.9 GE 12000 89.5 89.8 89.9 89.9 89.9 80.0 89.9 89.9 89.9 89.9 89.9 GΕ 10000 90.5 90.8 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 91.4 9000 90.9 91.2 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 GE 92.7 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 GE 8000 92.4 92.8 92.5 92.8 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 7000 GE 92.8 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 6000 92.5 92.9 92.9 GF 93.5 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.2 GE 5000 GE 4500 93.5 93.8 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 4000 95.3 95.5 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 GE 96.4 96.4 96.4 3500 95.7 96.0 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 GE 97.4 97.4 97.4 97.4 97.4 97.4 97.4 3000 96.7 GE 97.6 97.6 97.1 97.3 97.4 97.6 97.6 97.6 97.6 97.6 97.6 97.6 GE 2500 96.4 96.7 97.4 97.6 97.3 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 GE 2000 96.5 96.8 97.4 97.6 97.6 97.7 97.7 97.7 97.3 97.7 97.7 97.7 97.7 GE 1800 96.5 96.8 97.4 97.6 97.6 97.7 97.7 97.7 97.7 1500 97.0 97.3 97.7 97.8 98.0 98.3 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 GE 1200 97.0 97.3 97.7 97.8 98.0 98.3 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 GE GE 1000 97.0 97.3 97.7 97.8 98.0 98.3 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 97.0 97.3 97.7 97.8 98.3 98.4 98.4 98.4 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.0 GE 900 97.3 97.7 98.4 98.6 97.8 98.0 98.3 98.4 98.4 98.6 98.6 98.6 98.6 98.6 98.6 800 97.0 GE 98.8 97.8 98.4 98.4 98.6 GE 700 97.0 97.3 97.7 98.0 98.3 98.4 98.8 98.8 98.8 98.8 98.8 GE 600 97.0 97.3 97.8 98.0 98.1 98.4 98.6 98.6 98.6 98.7 99.8 99.0 99.0 99.0 99.0 99.0 97.0 97.3 97.8 98.0 98.1 98.4 98.6 98.6 98.6 98.7 99.0 99.1 99.1 99.1 99.1 99.1 GE 500 98.6 99.1 99.4 99.4 99.0 99.4 99.4 400 i 97.0 97.3 97.8 98.0 98.1 98.4 98.6 98.6 98.7 GE 97.3 98.6 99.3 97.0 97.8 98.0 98.1 98.4 98.6 98.6 98.7 99.0 99.9 99.9 99.9 99.9 GE 300 97.3 97.8 98.0 98.1 98.4 98.6 98.6 98.6 98.7 99.0 99.4 100.0 100.0 100.0 100.0 GE 200 97.0 98.6 99.0 97.3 97.8 98.0 98.4 98.6 98.7 99.4 GE 100 97.0 98.1 98.6 100.0 100.0 100.0 100.0 000 97.0 97.3 97.8 98.0 98.1 98.4 98.6 98.6 98.6 98.7 99.0 99.4 100.0 100.0 100.0 100.0 GE

TOTAL NUMBER OF OBSERVATIONS 695

D - 2 - 8

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY ORSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN HOURS: ALL VISIBILITY IN STATUTE MILES CEILING GE GE GE GE GE GE IN GE GE GE GE GE GF 1 1/2 1 1/4 2 1/2 7 5 3 2 1 3/4 0 FEET 6 4 5/8 1/2 3/8 1/4 NO CEIL 74.1 74.2 74.6 74.2 74.2 74.3 74.3 74.3 74.3 74.4 74.4 74.4 74.6 74.7 80.9 81.0 81.1 GE 20000 80.9 81.0 81.1 81.1 81.1 81.1 81.2 81.2 81.2 81.3 81.4 81.5 81.5 82.3 82.4 82.4 82.4 82.5 82.5 82.5 82.5 82.6 82.6 82.3 82.6 82.7 82.7 82.9 GF 18000 82.9 82.7 83.0 83.1 GE 16000 82.8 82.8 82.8 82.9 82.9 82.9 82.9 83.0 83.0 83.1 83.3 82.7 83.3 83.9 83.9 83.9 83.9 83.9 GE 14000 83.7 83.8 83.8 83.8 84.0 84.0 84.0 84.2 84.2 84.3 84.4 86.1 86.1 86.2 GE 12000 85.9 86.0 86.1 86.1 86.1 86.1 86.1 86.3 86.3 86.4 86.4 86.5 86.6 88.2 GE 10000 i 87.6 87.7 87.7 87.7 87.8 87.8 87.8 87.8 87.8 87.9 87.9 87.9 88.1 88.1 88.3 87.8 87.9 87.9 87.9 88.0 88.0 88.0 0.88 88.1 88.1 88.2 88.3 GΕ 9000 87.8 88.1 88.4 88.5 89.6 89.6 89.6 89.7 89.5 89.5 89.5 89.6 89.7 89.9 GE 8000 89.4 89.4 89.7 89.8 90.0 90.0 7000 89.6 89.7 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.9 90.0 90.0 90.1 90.1 90.3 90.3 GF 89.9 90.0 90.0 90.0 90.0 90.2 90.0 90.0 90.0 90.2 90.3 90.3 GE 6000 89.8 90.1 90.4 90.5 90.4 90.5 90.5 90.8 90.4 90.5 90.5 90.5 90.6 90.6 90.8 90.9 GE 5000 90.2 90.3 90.6 91.0 90.7 91.2 GΕ 4500 90.5 90.6 90.7 90.7 90.7 90.7 90.7 90.7 90.8 90.9 90.9 91.0 91.0 91.1 4000 91.7 91.9 92.0 92.1 92.1 92.1 92.2 92.2 92.2 92.3 92.3 92.3 92.5 92.5 92.6 92.7 ĢΕ 92.3 92.5 92.6 92.6 92.6 92.6 92.6 92.8 92.9 92.9 93.1 3500 92.1 92.5 92.7 92.8 93.1 GE 93.5 93.6 93.7 93.7 93.8 94.1 GE 3000 93.1 93.3 93.8 93.8 93.9 94.0 94.0 94.1 94.3 94.3 93.6 93.8 94.1 94.1 94.2 94.2 94.3 94.4 GΕ 2500 93.4 94.0 94.2 94.4 94.5 94.5 94.7 94.7 95.1 95.2 95.3 95.4 95.5 95.5 95.6 95.7 95.7 95.8 95.8 GE 2000 94.2 94.5 94.9 96.0 96.1 94.9 GE 1800 94.3 94.5 95.1 95.3 95.3 95.5 95.5 95.5 95.7 95.7 95.8 95.9 95.9 96.1 96.1 1500 94.6 94.8 95.3 95.5 95.7 95.7 95.9 96.0 96.0 96.1 96.2 96.2 96.4 96.4 96.5 GΕ 96.6 95.1 95.6 96.4 GE 1200 94.8 95.8 96.0 96.1 96.5 96.6 96.7 96.8 1000 95.4 96.5 96.6 97.0 97.2 97.4 97.6 97.6 97.8 97.8 98.0 GE 95.1 96.0 96.2 98.0 97.2 96.5 96.7 97.1 97.2 97.5 97.9 97.9 98.1 900 95.4 96.0 96.3 97.6 97.7 98.1 GE 95.1 97.2 97.4 97.4 95.5 96.3 96.6 97.6 97.9 98.1 98.3 GE 800 95.2 96.1 96.8 97.8 98.1 98.3 97.4 97.2 GE 700 95.2 95.5 96.1 96.4 96.7 96.8 97.4 97.7 97.9 98.0 98.3 98.3 98.5 98.5 GE 600 95.3 95.5 96.2 96.5 96.8 96.9 97.4 97.6 97.7 97.9 98.2 98.4 98.7 98.7 98.9 98.9 97.8 97.0 97.1 97.5 97.8 99.3 GE 500 95.4 95.7 96.3 96.6 98.1 98.5 98.7 99.0 99.0 99.3 95.4 97.0 97.1 97.6 97.9 400 95.7 96.3 96.6 97.8 98.2 98.6 98.8 99.1 99.1 99.4 99.4 GE 95.4 97.1 300 95.7 96.4 96.7 97.2 97.7 98.0 98.1 98.9 99.0 99.4 99.5 99.7 99.8 GE 98.4 97.2 99.1 200 95.4 95.7 96.4 96.7 97.1 97.7 98.0 98.1 98.5 98.9 99.5 99.5 99.8 90.0 GE 95.4 GE 100 95.7 96.4 96.7 97.1 97.2 97.7 98.0 98.1 98.5 98.9 99.1 99.5 99.6 99.9 100.0 000 95.4 95.7 96.4 96.7 97.1 97.2 97.7 98.0 98.1 98.5 98.9 99.1 99.5 99.6 99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 5706

COMMENSAGE OF THE STATE OF THE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: FEB HOURS: 00-02

			LS	1 10 01	C: + 8					MON	TH: FEB	HOU	RS: 00-	02		
CEILING								N STATU		-	• • • • • • •	•••••	•••••	• • • • • • •	• • • • • • •	•••••
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE O
•••••	 I	•••••	• • • • • •	• • • • • •	• • • • • •	• • • • • • • •	•••••	• • • • • • • •	• • • • • • •	•••••		•••••	• • • • • • •	• • • • • • •	•••••	•••••
NO CEIL	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 20000		81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 18000		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 16000		82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 14000		83.1	83.1 84.5	83.1	83.1	83.1 84.5	83.1	83.1	33.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 12000	04.5 	84.5	04.5	84.5	84.5	04.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 10000		88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 9000		88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 8000		91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 7000 GE 6000	91.5	91.5 92.2	91.5 92.2	91.5 92.2	91.5 92.2	91.5 92.2	91.5 92.2	91.5 92.2	91.5 92.2	91.5 92.2	91.5 92.2	91.5 92.2	91.5 92.2	91.5 92.2	91.5 92.2	91.5 92.2
GE GUUU	72.2 	72.2	72.2	76.2	72.2	72.2	72.6	76.2	72.2	72.2	76.6	76.6	72.2	92.2	72.2	72.2
GE 5000		92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 4500		92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 4000		93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 3000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 2500	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 2000	94.8	94.8	94.8	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1800		94.8	94.8	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1500		95.5	95.6	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1200	96.1	96.1	96.2	96.6	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1000	96.7	96.7	96.9	97.2	97.3	97.3	97.7	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	96.7	96.7	96.9	97.3	97.5	97.5	97.8	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800		96.7	97. 0	97.5	97.7	97.7	98. 0	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700		96.7	97.0	97.5	97.7	97.7	98.0	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	96.7	96.9	97.2	97.7	97.8	97.8	98.1	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	96.9	97.0	97.3	97.8	98.0	98.0	98.3	98.6	98.6	99.2	99.2	99.2	99.5	99.5	99.5	99.5
GE 400		97.0	97.3	97.8	98.0	98.0	98.3	98.6	98.6	99.2	99.2	99.2	99.5	99.5	99.5	99.5
GE 300		97.0	97.3	97.8	98.1	98.1	98.4	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7
GE 200		97.0	97.3	97.8	98.1	98.1	98.6	98.9	98.9	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 100	96.9	97.0	97.3	97.8	98.1	98.1	98.6	98.9	98.9	99.5	99.5	99.5	100.0	100.0	100.0	100.0
GE 000	96.9	97.0	97.3	97.8	98.1	98.1	98.6	98.9	98.9	99.5	99.5	99.5	100.0	100.0	100.0	100.0
		• • • • • •			<i>.</i>	• • • • • • •	• • • • • •		• • • • • • •				• • • • • •	• • • • • •		

TOTAL NUMBER OF OBSERVATIONS 639

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: FEB HOURS: 03-05 VISIBILITY IN STATUTE MILES CEILING GE GE GE GE GE GE IN GE GE GE 7 5 3 2 1/2 2 1 1/2 1 1/4 3/4 4 1 5/8 6 1/2 3/8 FEET 1/4 0 71.7 72.2 72.2 72.2 72.2 NO CEIL 71.9 72.0 72.2 72.2 72.2 72.2 72.2 72.2 72.2 72.2 72.2 80.2 GE 20000 79.3 79.9 80.1 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 81.1 81.5 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 GE 18000 81.3 81.6 81.6 81.6 81.6 81.6 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 GE 16000 81.5 81.6 81.8 81.9 81.9 81.9 81.9 81.9 GE 14000 81.8 81.9 82.1 82.1 82.1 82.1 82.1 82.1 82.1. 82.1 82.1 82.1 81.6 82.1 82.1 82.1 83.8 83.8 83.8 83.8 83.8 83.8 GE 12000 83.5 83.6 83.8 83.8 83.8 83.8 83.3 83.8 83.8 83.8 87.0 87.0 87.0 86.9 87.0 87.0 87.0 87.0 87.0 GE 10000 86.6 86.7 87.0 87.0 87.0 87.0 87.0 GE 9000 86.6 86.7 86.9 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 8000 88.9 89.0 89.2 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 GE 89.5 89.6 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 GE 7000 89.3 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 6000 89.6 89.8 89.8 89.8 89.8 89.8 89.8 GE 90.6 90.1 90.3 90.4 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 GE 5000 90.6 90.6 90.6 90.6 4500 90.1 90.3 90.4 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 GE 90.6 91.2 91.3 91.7 91.7 92.0 92.0 92.0 92.0 92.0 91.5 92.0 92.0 92.0 92.0 GE 4000 92.0 92.0 3500 91.5 91.7 91.8 92.0 92.0 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3 GΕ 94.1 94.1 3000 93.4 93.5 93.7 93.8 93.8 94.1 94.1 94.1 94.1 94.1 GE GE 2500 93.5 93.7 93.8 94.1 94.3 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 95.4 95.5 95.7 96.0 96.1 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 GE 2000 96.4 96.4 96.1 95.7 96.0 96.4 96.4 96.4 96.4 96.4 95.4 95.5 96.4 96.4 96.4 96.4 1800 96.4 GE 96.4 96.9 95.8 96.4 96.6 96.9 96.9 96.9 96.9 96.9 96.9 96.9 GE 1500 96.0 96.1 96.9 96.9 96.9 97.1 97.4 1200 96.3 96.4 96.6 96.9 97.4 97.4 97.4 97.4 97.4 97.4 97.4 96.4 96.6 96.8 97.1 97.4 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 GE 1000 97.1 97.4 97.7 97.7 97.7 97.7 97.7 900 96.4 96.6 96.8 97.7 97.7 97.7 97.7 97.7 97.7 GE 97.8 97.2 97.5 97.8 97.8 96.6 96.8 96.9 97.8 98.0 98.0 98.0 98.0 98.0 98.0 98.0 GE 800 97.2 97.5 97.8 97.8 97.8 98.0 700 96.6 96.8 96.9 97.8 98.0 98.0 98.0 98.0 98.0 98.0 GF 97.4 98.5 97.2 97.7 98.3 98.3 98.5 98.5 98.5 98.5 GE 600 96.8 98.0 98.3 98.3 98.5 98.5 99.4 500 96.9 97.4 97.5 98.0 98.3 98.6 98.6 98.6 98.6 99.1 99.4 99.4 99.4 99.4 99.4 GE 97.4 98.6 98.6 99.4 400 96.9 97.5 98.0 98.3 98.6 98.6 99.1 99.4 99.5 99.5 99.5 99.5 GE 97.8 99.4 99.8 99.8 99.8 GE 300 96.9 97.5 98.3 98.6 98.9 98.9 98.9 98.9 99.7 99.7 99.8 96.9 97.5 97.8 98.3 98.6 98.9 98.9 98.9 98.9 99.5 99.8 99.8 100.0 100.0 100.0 100.0 GE 200 96.9 97.5 97.8 98.9 99.5 99.8 100 98.3 98.6 98.9 98.9 98.9 99.8 100.0 GE 100.0 100.0 100.0 0001 96.9 97.8 98.9 98.9 99.5 99.8 99.8 100.0 100.0 100.0 100.0 GE 97.5 98.3 98.6 98.9 98.9

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: FEB HOURS: 06-08 CEILING VISIBILITY IN STATUTE MILES GE GF GF GE GF GE IN GE GE GE GF GE GE GE 1 1/2 1 1/4 FEET 6 5 4 3 2 1/2 2 1 3/4 5/8 1/2 3/8 1/4 0 NO CEIL 68.1 68.1 68.2 68.2 68.2 68.2 68.2 68.2 68.2 68.2 68.2 68.2 68.2 68.2 68.2 68.2 77.0 77.0 77.0 77.0 77.0 77.0 77.0 77.0 77.0 77.0 GE 20000 76.8 77.0 77.0 77.D 76.8 77.D 78.4 78.4 78.4 GE 18000 78.3 78.3 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.6 78.6 78.6 GE 16000 78.4 78.4 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6 GE 14000 79.2 79.2 79.3 79.3 79.3 79.3 79.3 79.3 79.3 79.3 79.3 79.3 79.3 79.3 79.3 79.3 GE 12000 81.7 81.7 81.8 81.8 81.8 81.8 81.8 81.8 81.8 81.8 81.8 81.8 81.8 81.8 81.8 81.8 GE 10000 83.8 83.9 83.9 83,9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.8 83.9 83.9 83.9 83.9 GE 9000 83.9 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 GE 8000 86.6 86.6 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86,7 86.7 86.7 86.7 86.6 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 GE 7000 86.6 86.7 86.7 86.7 86.7 86.7 86.7 6000 86.6 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 GF 86.6 86.7 86.7 86.7 87.7 87.6 GE 5000 87.6 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 4500 88.0 88.0 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88,2 88.2 88.2 GE 88.6 88.6 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 GE 4000 90.4 3500 90.3 90.3 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.5 90.5 90.5 GE 93.4 92.6 92.6 93.2 93.4 93.4 93.4 93.4 93.4 93.4 93.5 93.5 3000 93.4 GE 2500 93.4 93.4 93.9 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.2 94.2 94.2 GE 95.6 95.6 95.7 95.7 95.6 95.6 95.6 95.6 95.6 95.6 95.7 GE 2000 94.8 94.8 95.4 95.6 95.6 95.7 GE 1800 95.0 95.0 95.6 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.9 95.9 95.9 95.4 1500 96.0 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.3 96.3 96.3 GE 95.4 95.9 96.6 96.6 96.6 96.6 96.6 96.8 1200 96.5 96.6 96.6 96.6 96.6 96.8 96.8 96.9 96.9 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.3 97.3 97.3 GE 1000 96.0 96.2 96.8 96.9 97.0 97.0 97.0 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.5 97.5 96.2 97.5 GE 900 96.3 96.9 97.6 97.3 97.6 97.8 97.9 97.2 97.6 97.9 97.9 98.1 98.1 98.1 800 97.0 97.3 GE 96.3 96.5 97.6 97.6 ĠE 700 96.3 96.5 97.0 97.2 97.3 97.3 97.6 97.8 97.9 97.9 98.1 98.2 98.2 98.2 600 97.0 97.2 97.3 97.3 97.6 97.6 97.6 97.8 97.9 97.9 98.2 98.4 98.4 98.4 97.2 97.3 97.0 97.3 97.6 97.6 97.6 97.8 97.9 97.9 98.5 98.7 500 96.3 96.5 98.7 98.7 GE 97.3 96.3 97.2 97.5 97.5 97.8 97.8 97.8 97.9 98.1 98.7 98.8 GF 400 96.6 98.1 99.0 99.0 97.3 97.5 97.5 97.8 97.8 97.8 97.9 99.3 96.3 97.2 98.1 98.1 98.8 99.0 99.4 GE 300 96.6 97.8 97.8 97.9 GE 200 96.3 96.6 97.2 97.3 97.5 97.5 97.8 98.1 98.1 99.D 99.1 99.4 99.6 99.6 GE 100 96.3 96.6 97.2 97.3 97.5 97.5 97.8 97.8 97.8 97.9 98.1 98.1 99.0 99.1 99.9 96.6 97.2 97.3 97.5 97.8 97.8 97.8 97.9 98.1 98.1 99.0 99.1 99.7 100.0 GE 000 96.3

TOTAL NUMBER OF OBSERVATIONS 677

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 MONTH: FEB HOURS: 09-11 LST TO UTC: + 8 CEILING VISIBILITY IN STATUTE MILES GF GE GE GE GE GE GE GE GΕ IN FEET 7 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 0 65.6 65.6 65.6 65.6 65.6 NO CEIL 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 GE 20000 74.6 74.6 74.6 GE 18000 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 GE 16000 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 GE 14000 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 79.8 GE 12000 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.8 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 GE 10000 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 81.2 GE 9000 81 2 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 GΕ 8000 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 GE 7000 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.9 84.9 84.9 84.9 84.9 6000 84.9 84.9 84.9 84.9 84.9 84.9 84.9 84.9 84.9 5000 86.4 86.4 86.4 86.4 86.4 86.4 86.4 86.4 86.4 GE 86.4 86.4 86.4 86.4 86.4 86.4 86.4 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 GE 4500 86.8 86.8 86.8 86.8 88.4 88.4 88.4 88.4 4000 88.3 88.3 88.3 88.3 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 GE 3500 90.2 90.2 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.2 90.2 GE 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 92.7 92.9 93.0 93.2 93.2 GE 3000 92.6 93.9 93.9 93.9 93.9 93.9 93.9 93.9 93.9 93.9 93.9 93.9 GE 2500 93.0 93.2 93.3 93.5 93.9 GE 2000 94.2 94.4 94.5 94.7 95.1 95.3 95.3 95.3 95.3 95.5 95.5 95.5 95.5 95.5 95.5 95.5 1800 94.2 94.4 94.5 94.7 95.1 95.3 95.3 95.3 95.3 95.5 95.5 95.5 95.5 95.5 95.5 95.5 GΕ GE 1500 95.3 95.5 95.7 95.8 96.3 96.4 96.4 96.4 96.4 96.7 96.7 96.7 96.7 96.7 96.7 96.7 97.0 97.3 97.3 97.3 97.3 95.8 96.0 96.7 96.9 97.0 97.0 97.3 97.3 GE 1200 95.5 96.1 97.2 97.2 97.2 97.6 97.6 97.6 97.6 97.6 97.6 97.6 95.7 96.0 96.1 96.3 96.9 97.0 GE 1000 97.3 97.8 97.8 97.9 97.9 97.9 GE 900 95.8 96.1 96.3 96.4 97.0 97.2 97.3 97.3 97.9 97.9 97.0 98.8 99.0 GE 800 96.4 96.7 96.9 97.8 97.9 98.1 98.1 98.1 98.5 98.7 99.0 99.0 99.0 98.1 99.1 96.7 97.8 98.1 GE 700 96.4 96.9 97.0 97.9 98.1 98.5 98.7 99.0 99.1 99.1 99.1 97.0 98.2 98.7 99.4 99.6 99.6 99.6 99.6 GE 600 96.6 96.9 98.1 98.2 98.2 97.0 97.2 97.9 98.2 98.2 98.2 98.8 99.1 99.6 99.7 100.0 100.0 100.0 500 98.1 GE 96.6 96.9 98.1 98.2 98.2 100.0 100.0 100.0 400 96.9 97.0 97.2 97.9 98 2 98.8 99.1 99.6 99.7 GE 96.6 97.2 99.1 99.6 99.7 97.0 98.1 98.2 98.2 96.9 97.9 98.8 GΕ 300 96.6 98.2 100.0 100.0 100.0 98.8 200 96.6 96.9 97.0 97.2 97.9 98.1 98.2 98.2 98.2 99.1 99.6 99.7 100.0 100.0 100.0 100 96.6 96.9 97.0 97.2 97.9 98.1 98.2 98.2 98.2 98.8 99.1 99.6 99.7 100.0 100.0 100.0 GΕ

TOTAL NUMBER OF OBSERVATIONS 674

96.9

97.0

97.2 97.9

98.1

98.2

98.2

000

GE

96.6

98.2

98.8

99.1

99.6 99.7 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

	-		724844	LS	TU OT	C: + 8	ONOPAH T							: JAN 8 RS: 12-	14		
	LING			•••••	• • • • • • •	• • • • • •			N STATU				• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••
_	IN I	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	EET	7	6	5	4	3	2 1/2	2		1 1/4	1		5/8	1/2	3/8	1/4	0
••								-			• • • • •			· · · · · · · · · · · · · · · · · · ·			
	1	l															
NO	CEIL	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1
GΕ	20000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9
GE	18000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2
GE	16000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2
GE	14000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4
GE	12000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9
GE	10000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8
GE	9000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8
GΕ	8000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3
GE	7000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
GE	6000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2
GE	5000	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9
GΕ	4500	88.0	88.0	88.2	88.2	<i>8</i> 8.2	88.2	88.2	88.2	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4
GE	4000	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5
GE	3500		92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7
GE	3000	95.3	95.3	95.6	95.6	95.8	95.9	95.9	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1
GΕ	2500	95.5	95.5	95.8	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
GE	2000	95.9	95.9	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7
GE	1800	96.8	96.8	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
GΕ	1500	97.7	97.7	98.0	98.0	98.5	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8
GE	1200	97.9	97.9	98.2	98.2	98.8	98.9	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE	1000	98.0	98.2	98.5	98.5	99.1	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE	900	98.0	98.2	98.5	98.5	99.1	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE	800	98.0	98.2	98.5	98.5	99.1	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE	700 i	98.0	98.2	98.5	98.5	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	98.0	98.2	98.5	98.5	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE	5001	98.0	98.2	98.5	98.5	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	98.0	98.2	98.5	98.5	99.1	99.2	99.7	99.7			100.0		100.0		100.0	100.0
GE	300	98.0	98.2	98.5	98.5	99.1	99.2	99.7	99.7	99.7	99.7				100.0	100.0	100.0
GE	200	98.0	98.2	98.5	98.5	99.1	99.2	99.7	99.7	99.7	99.7				100.0	100.0	100.0
GE	100	98.0	98.2	98.5	98.5	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.
GE	000	98.0	98.2	98.5	98.5	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.

TOTAL NUMBER OF OBSERVATIONS 661

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: FEB HOURS: 15-17 LST TO UTC: + 8 CEILING VISIBILITY IN STATUTE MILES GE GE GE GF GE IN GE GE GE GE GE GE GE GE 1 1/2 1 1/4 5 4 3 2 1/2 2 1 3/4 5/8 1/2 3/8 FEET NO CEIL | 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 GE 20000 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 GE 18000 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 GE 16000 76.7 76.7 76.7 76.7 76.7 76.7 GE 14000 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 77.6 GE 12000 79.9 79.9 79.9 79.9 83.1 83.1 83.1 83.1 83.1 83.1 83.1 GE 10000 83.1 9000 GE 86.6 86.6 86.6 86.6 86.6 86.6 86.6 GE 8000 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.9 86.9 86.9 86.9 86.9 86.9 7000 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 GE 86.9 88.1 88.1 88.1 GE 6000 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 89.6 89.6 89.6 89.6 5000 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 GE 89.6 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 GE 4500 90.4 90.4 93.6 93.6 93.6 93.6 GE 4000 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 3500 94.2 GE 96.2 96.0 96.0 96.0 96.0 96.0 96.2 96.2 96.2 96.2 96.2 96.2 96.0 96.0 96.0 GE 3000 96.0 96.8 97.0 97.0 97.0 97.0 97.0 97.0 97.0 GE 2500 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 98.2 GE 2000 97.6 97.6 97.6 97.7 97.7 97.7 97.9 97.9 97.9 98.2 98.2 98.2 98.2 98.2 98.2 98.5 98.5 98.5 98.5 GE 1800 97.9 97.9 97.9 98.0 98.0 98.0 98.2 98.2 98.2 98.5 98.5 98.5 98.5 98.5 98.5 98.6 98.6 98.6 98.9 98.9 98.9 98.9 98.9 98.9 98.9 GE 1500 98.3 98.3 98.3 99.2 1200 98.5 98.5 98.5 98.6 98.6 98.6 98.9 98.9 GE 99.2 98.5 98.5 98.5 98.6 98.6 98.6 99.2 99.2 99.7 99.7 99.8 99.8 99.8 99.8 99.8 GE 1000 99.7 98.6 98.6 99.2 99.2 99.2 99.7 99.8 99.8 99.8 99.8 99.8 900 98.5 98.6 GE 98.5 98.5 99.2 99.7 99.7 99.8 99.8 98.6 98.6 99.2 99.8 99.8 99.8 99.2 GE 800 98.5 98.5 98.5 98.6 99.7 99.8 99.8 99.7 GE 700 98.5 98.5 98.5 98.6 98.6 98.6 99.2 99.2 99.2 99.8 99.8 99.8 99.2 99.2 99.2 GE 600 98.5 98.5 98.5 98.6 98.6 98.6 99.7 99.7 99.8 99.8 99.8 99.8 99.8 99.2 99.7 99.7 99.8 99.8 500 98.5 98.5 98.5 98.6 98.6 98.6 99.2 99.2 100.0 100.0 100.0 GE 99.7 99.7 98.5 98.6 99.2 99.2 99.2 99.8 99.8 100.0 100.0 100.0 98.5 98.5 98.6 98.6 GE 400 99.2 99.2 99.2 99.7 99.7 99.8 99.8 98.5 98.6 100.0 100.0 100.0 GE 300 98.5 98.5 98.6 98.6 99.2 99.7 99.8 99.8 GE 200 98.5 98.5 98.5 98.6 98.6 98.6 99.2 99.2 99.7 100.0 100.0 100.0 99.2 99.2 100 98.5 98.6 98.6 98.6 99.2 99.7 99.7 99.8 99.8 100.0 100.0 100.0 99.2 99.2 99.2 99.7 99.7 99.8 99.8 100.0 100.0 100.0 000 98.5 98.6 98.6 98.6

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 LST TO UTC: + 8 MONTH: FEB HOURS: 18-20 VISIBILITY IN STATUTE MILES CEILING GE IN GE GE GE GE GE GE GE GΕ GE GE ĠΕ GE GE 2 1/2 **FEET** 6 5 4 3 5 1 1/2 1 1/4 3/4 5/8 1/2 0 68.7 68.7 68.7 68.7 68.7 68.7 68.7 NO CEIL 68.7 68.7 68.7 68.7 68.7 68.7 68.7 68.7 79.5 79.5 79.5 79.5 79.5 79.5 79.5 79.5 79.5 79.5 GE 20000 79.5 79.5 79.5 79.5 79.5 79.5 GE 18000 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 GE 16000 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 GE 14000 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 84.1 84.1 84.1 84.1 12000 84.1 88.3 **GE 10000** 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 GE 9000 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 8000 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 GE 90.5 90.5 90.5 90.5 90.5 91.6 91.6 7000 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 GE 92.8 92.8 92.8 GE 6000 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 93.6 93.6 93.6 93.6 93.6 93.6 GE 5000 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.8 GE 4500 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 94.6 94.6 94.6 94.6 94.6 4000 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 GE 3500 95.0 95.0 95.0 95.0 95.0 95.0 95.0 GE 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.2 GE 3000 95.2 95.2 95.2 95.2 2500 96.1 96.1 GE 96.0 96.0 96.0 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 97.0 97.4 96.7 97.0 97.2 97.2 97.2 97.7 97.7 GE 2000 96.6 96.6 96.9 97.5 97.5 97.7 97.7 GE 1800 96.7 96.7 96.9 97.0 97.2 97.2 97.4 97.4 97.4 97.5 97.7 97.7 97.8 97.8 97.8 97.8 GE 1500 97.0 97.0 97.2 97.4 97.5 97.5 97.7 97.7 97.7 97.8 98.0 98.0 98.1 98.1 98.1 98.1 GE 1200 97.2 97.5 97.8 97.8 98.1 98.3 98.1 98.6 98.6 98.6 1000 97.7 97.7 98.0 98.1 98.3 98.3 98.8 99.1 99.1 99.2 99.4 99.5 99.7 99.7 99.7 99.7 GE 97.7 97.7 99.1 98.3 98.3 99.1 99.2 99.5 99.7 99.7 99.7 98.0 98.1 98.8 99.4 99.7 GE 900 97.7 99.2 99.7 98.3 99.1 99.4 99.5 99.7 99.7 GE 800 97.7 98.0 98.1 98.3 98.8 99.1 99.7 98.3 99.1 GE 700 97.7 97.7 98.0 98.1 98.3 98.8 99.1 99.2 99.4 99.5 99.7 99.7 99.7 99.7 99.1 99,2 99.5 99.7 99.7 GE 600 97.7 97.7 98.0 98.1 98.3 98.3 98.8 99.1 99.4 99.7 99.7 97.7 99.1 99.1 99.2 99.5 99.8 98.0 98.3 98.3 98.8 100.0 100.0 100.0 GE 500 97.7 98.1 99.4 GE 400 97.7 97.7 98.0 98.1 98.3 98.3 98.8 99.1 99.1 99.2 99.4 99.5 99.8 100.0 100.0 100.0 99.5 GE 300 97.7 97.7 98.0 98.1 98.3 98.3 99.1 99.1 99.2 99.4 99.8 98.8 100.0 100.0 100.0 97.7 99.2 98.0 98.3 98.3 98.8 99.1 99.4 99.5 99.8 97.7 99.1 GE 200 98.1 100.0 100.0 100.0 GE 100 Ì 97.7 97.7 98.0 98.1 98.3 98.3 98.8 99.1 99.1 99.2 99.4 99.5 99.8 100.0 100.0 100.0 0001 97.7 97.7 98.0 98.1 98.3 98.3 98.8 99.1 99.1 99.2 99.4 99.5 99.8 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 643

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 LST TO UTC: + 8 MONTH: FEB HOURS: 21-23 VISIBILITY IN STATUTE MILES CEILING GF GE GF GE GE GE GF GF GF GF GF GE GE IN FEET 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 NO CEIL | 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 81.8 81.8 81.8 81.8 81.8 81.8 81.8 81.8 81.8 81.8 81.8 81.8 81.8 81.8 81.8 GE 200001 81.8 GE 18000 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 GE 16000 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 83.3 GE 14000 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.3 GE 12000 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 10000 89.5 89.5 89.5 89.5 89.5 89.5 89.5 GE 89.5 89.5 89.5 89.5 89.5 89.5 9000 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 GF 8000 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 GF 90.8 91.2 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.2 91.4 91.4 91.4 91.4 GE 7000 91.2 91.2 91.4 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 6000 i 92.6 92.6 92.6 92.6 92.R 92.8 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 GE 5000 93.0 93.0 93.0 93.0 93.1 93.1 93.1 93.1 93.0 93.0 93.0 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 GE 4500 93.0 93.3 93.3 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 4000 93.3 93.3 GE 93.4 93.3 93.4 93.4 93.4 93.4 93.3 93.3 93.3 93.4 93.4 93.4 93.4 93.4 93.4 93.4 GF 3500 93.3 93.4 93.4 93.4 93.4 93.3 93.3 GF 3000 93.3 93.9 93.9 93.9 93.9 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 GE 2500 94.1 94.1 94.1 94.7 95.0 95.0 95.0 95.0 95.0 95.0 GE 2000 93.9 93.9 93.9 93.9 94.1 94.1 94.7 94.7 94.8 94.1 94.7 95.0 1800 93.9 93.9 93.9 93.9 94.1 94.7 94.7 94.8 95.0 95.0 95.0 95.0 95.0 GE 95.1 94.2 94.2 94.8 94.8 95.1 95.1 94.8 95.0 95.1 95.1 95.1 GE 1500 94.1 94.1 94.1 94.1 95.6 GE 1200 95.5 95.5 96.4 96.4 96.4 96.6 96.7 96.7 95.8 95.8 95.9 96.4 97.2 97.2 97,2 97.3 98.0 98.0 98.0 98.0 98.0 98.0 95.8 96.4 1000 GE 97.7 98.7 96.9 97.7 98.1 98.7 98.7 98.7 96.9 97.7 98.7 98.7 GE 900 95.9 95.9 96.1 96.4 99.1 99.1 97.2 99.1 96.4 97.2 98.0 98.0 98.4 99.1 99.1 99.1 GE 800 96.1 96.1 96.7 98.0 99.1 99.1 99.1 99.1 99.1 GE 700 96.1 96.1 96.4 96.7 97.2 97.2 98.0 98.0 98.0 98.4 99.1 600 96.4 96.7 97.2 97.2 98.0 98.0 98.0 98.4 99.1 99.1 99.1 99.1 99.1 99.1 96.1 97.8 97.8 98.6 99.7 99.7 100.0 100.0 100.0 500 96.2 96.6 96.9 98.6 98.6 99.1 100.0 GE 96.2 96.2 97.8 96.2 96.6 97.8 98.6 98.6 98.6 99.1 99.7 99.7 100.0 100.0 100.0 100.0 GF 400 96.9 99.7 97.8 97.8 98.6 98.6 98.6 99.1 99.7 100.0 100.0 96.2 96.2 96.6 96.9 100.0 100.0 GE 300 98.6 98.6 99.7 100.0 100.0 100.0 GE 200 İ 96.2 96.2 96.6 96.9 97.8 97.8 98.6 99.1 99.7 100.0 100 96.2 96.2 96.6 96.9 97.8 97.8 98.6 98.6 98.6 99.1 99.7 99.7 100.0 100.0 100.0 100.0 GE 97.8 97.8 98.6 98.6 98.6 99.1 99.7 99.7 100.0 100.0 100.0 100.0 ĢΕ 000 96.2 96.2 96.6 96.9

TOTAL NUMBER OF OBSERVATIONS 639

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8 MONTH: FEB HOURS: ALL CEILING VISIBILITY IN STATUTE MILES IN GE GE GE GE GE GE GE GE GΕ GE GE GE GE 3 2 1/2 1 1/2 1 1/4 4 1 3/4 5/8 1/2 3/8 1/4 0 NO CEIL | 69.1 69.1 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2 78.2 78.2 78.2 78.2 78.2 GE 20000 78.1 78.2 78.2 78.2 78.2 78.1 78.2 78.2 78.2 78.2 78.2 79.7 79.8 GE 18000 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.8 79.8 79.8 79.8 79.8 79.8 79.9 79.9 GE 16000 79.8 3.97 79.8 79.8 79.8 79.8 79.8 79.8 79.8 79.9 79.9 79.9 79.9 80.4 GE 14000 80.3 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 12000 82.6 82.6 82.6 82.7 82.7 82.7 GE 10000 85.3 85.3 85.3 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.3 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 GF 9000 85.3 85.4 85.4 85.4 85.4 87.9 87.9 87.9 GE 8000 87.8 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 88.3 GE 7000 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.4 88.4 88.4 88.4 88.4 88.4 GΕ 6000 88.9 88.9 88.9 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 90.1 90.0 90.0 90.1 90.1 GĒ 5000 90.0 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.3 90.3 4500 90.3 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 GE 91.8 GE 4000 91.7 91.8 91.8 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 92.6 92.6 92.6 92.6 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.8 92.8 92.8 GE 3500 92.7 94.1 94.0 GE 3000 94.3 94.3 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 95.1 GE 2500 94.6 94.6 94.7 94.8 95.0 95.0 95.0 95.0 95.0 95.0 95.1 95.1 95.1 95.1 95.1 2000 95.4 95.4 95.6 95.8 95.9 96.0 96.1 96.1 96.1 96.2 96.3 96.3 96.3 96.3 96.3 96.3 GE 1800 95.6 95.6 95.8 96.0 96.1 96.2 96.3 96.3 96.5 GE 96.3 96.4 96.5 96.5 96.5 96.5 96.5 1500 96.1 96.2 96.4 96.5 96.7 96.8 96.9 96.9 96.9 97.0 97.1 97.1 97.1 97.1 97.1 97.1 GΕ 96.7 96.9 97.0 97.6 97.6 97.8 97.8 97.8 97.8 GF 1200 96.6 97.2 97.6 96.8 96.9 97.3 97.7 98.1 98.1 98.1 98.5 98.5 98.5 GE 1000 98.3 98.4 98.5 98.5 97.7 98.7 GE 900 96.9 97.0 97.2 97.4 97.8 98.2 98.2 98.2 98.5 98.6 98.6 98.7 98.7 98.7 GE 800 97.0 97.1 97.4 97.6 97.9 98.0 98.4 98.5 98.5 98.7 98.9 98.9 99.0 99.0 99.0 99.0 97.6 99.1 99.1 700 97.0 97.1 97.4 97.9 98.0 98.4 98.5 98.5 98.7 98.9 99.0 99.0 99.1 GE 97.5 98.5 GΕ 600 97.2 98.0 98.1 98.5 99.1 99.2 99. 97.1 97.3 97.6 97.8 98.2 98.2 98.6 99 GE 500 98.7 98.7 99.1 99.3 99.4 99.6 99.7 99.7 97.3 97.6 97.8 98.3 99.3 99.4 99.8 98.6 98.7 99.6 99.7 QÇ 97.1 98.2 98.7 99.1 GE 400 99.4 99.5 GE 300 97.1 97.3 97.6 97.8 98.2 98.3 98.7 98.8 98.8 99.1 99.7 99.8 99.8 99 GE 200 97.1 97.3 97.6 97.8 98.2 98.3 98.7 98.8 98.8 99.2 99.4 99.5 99.8 99.9 99.9 90 97.1 97.3 97.8 97.6 98.2 98.3 98.8 98.8 99.5 100 GE 97.3 97.6 97.8 98.2 98.3 98.7 98.8 98.8 99.2 99.4 99.5 99.8 99.9 100.0 100.1

TOTAL NUMBER OF OBSERVATIONS 5236

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: MAR HOURS: 00-02 LST TO UTC: + 8 VISIBILITY IN STATUTE MILES CEILING GE GE GE GE IN GF GF GE GF GF GF GE GE 2 1/2 1 1/2 1 1/4 FEET 7 6 5 4 3 2 1 3/4 5/8 1/2 3/8 1/4 0 77.9 77.9 77.9 77.9 77.9 78.2 78.2 78.2 78.2 78.2 78.2 NO CEIL 78.2 78.2 78.2 78.2 GE 20000 85.5 85.5 85.5 85.5 85.5 85.8 85.8 85.8 85.8 85.8 85.8 85.8 85.8 85.8 85.8 85.5 85.5 85.8 85.5 85.5 85.5 85.5 85.5 85.5 85.8 85.8 85.8 85.8 85.8 85.8 GE 18000 85.8 85.8 85.8 85.5 85.8 85.8 85.8 85.8 85.8 85.5 85.5 85.5 85.8 GE 16000 85.8 85.8 85.8 85.8 **GE 14000** 86.0 86.0 86.0 86.0 86.0 86.0 86.2 86.2 86.2 86.2 86.2 86.2 86.2 86.2 86.2 86.2 GE 12000 86.7 86.7 86.7 86.7 86.7 86.7 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 88.8 88.8 88.8 88.8 88.8 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 GE 10000 88.8 89.4 89.1 89.1 89.1 89.1 89.1 89.1 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 GE 9000 90.9 90.9 GE 90.6 90.6 90.6 90.6 90.6 90.9 90.9 90.9 90.9 90.9 90.9 90.9 8000 90.6 90.9 90.9 91.2 91.2 91.2 91.2 91.2 90.9 90.9 90.9 90.9 91.2 91.2 91.2 91.2 GE 7000 90.9 91.2 6000 90.9 90.9 90.9 91.2 91.2 91.2 GE 90.9 90.9 90.9 GE 5000 91.9 91.9 91.9 91.9 91.9 91.9 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 4500 91.9 91.9 91.9 91.9 91.9 91.9 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 GE 4000 93.5 93.5 93.5 93.5 93.5 93.5 93.9 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 GE 94.0 3500 93.5 93.5 93.5 93.5 93.5 93.5 93.9 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 GE 94.8 94.8 95.3 95.3 95.3 95.3 95.3 95.3 3000 94.8 95.3 GE 95.7 95.7 95.2 95.2 95.2 95.6 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.2 95.2 GE 2500 95.2 GE 2000 96.0 96.3 96.3 96.3 96.3 96.5 97.2 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 GE 1800 96.6 96.9 97.0 97.0 97.0 97.2 97.9 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 97.4 97.9 1500 97.7 97.9 97.9 98.7 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 GE 98.0 98.9 97.7 97.9 97.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 GE 1200 98.0 98.7 98.9 98.3 97.9 98.4 98.4 98.6 98.7 99.6 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE 1000 99.7 99.7 99.7 98.3 98.4 98.6 99.6 99.7 99.7 99.7 99.7 99.7 99.7 GE 900 97.9 98.4 98.7 98.6 99.6 99.7 99.7 99.7 99.7 99.7 99.7 98.3 98.4 98.4 99.7 99.7 99.7 GE 800 97.9 98.7 99.7 99.7 99.7 99.7 99.7 GE 700 97.9 98.3 98.4 98.4 98.6 98.7 99.6 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE 600 97.9 98.3 98.6 98.7 GE 500 97.9 98.3 98.4 98.4 98.6 98.7 99.6 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 98.3 99.7 99.7 99.7 99.7 99.7 99.7 99.7 97.9 98.4 98.4 98.6 98.7 99.6 99.7 99.7 GE 400 99.7 99.7 99.7 99.7 99.7 97.9 98.3 98.4 98.6 99.6 99.7 99.7 99.7 99.7 300 98.4 98.7 GE

TOTAL NUMBER OF OBSERVATIONS 705

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION	NUMBER:	724844		ATION N		T HAGOW	EST RAI	NGE NV		PER!	IOD OF I	RECORD: HOUR	JAN 8 S: 03-0	3 - MAI 5	R 90	
CEILING	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •			STATU				•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •
IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	7	6	5	4	3	2 1/2	2		1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
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	i														••••	
NO CEIL	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 20000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 18000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 16000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 14000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85,9	85.9	85.9	85.9	85.9
GE 12000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 10000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 9000		88.5	88.5	88.5	88.5	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 8000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 7000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 6000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 5000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 4500	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 4000	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 3500	92.7	92.7	92.7	92.7	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 3000	93.3	93.3	93.3	93.3	93.4	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 2500	93.8	93.8	93.8	93.8	94.0	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 2000	94.4	94.7	94.7	94.8	95.0	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1800	95.0	95.2	95.2	95.4	95.5	95.9	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1500	95.7	95.9	96.1	96.2	96.5	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1200	95.7	95.9	96.1	96.2	96.5	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1000	96.5	96.8	96.9	97.1	97.3	97.8	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 900	96.5	96.8	96.9	97.1	97.3	97.8	98.0	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	96.6	96.9	97.1	97.2	97.5	97.9	98.2	98.3	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	96.6	96.9	97.1	97.2	97.5	97.9	98.2	98.3	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	96.6	96.9	97.1	97.2	97.5	97.9	98.2	98.3	98.3	98.6	98.7	98.7	98. 7	98.7	98.7	98.7
GE 500		96.9	97.2	97.3	97.8	98.2	98.5	98.6	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.3
GE 400	96.6	96.9	97.2	97.3	97.8	98.2	98.5	98.6	98.6	99.0	99.2	99.2	99.3	99.3	99.3	99.3
GE 300		96.9	97.2	97.3	97.8	98.2	98.5	98.6	98.6	99.0	99.2	99.2	99.6	99.6	99.6	99 .6
GE 200	96.6	96.9	97.2	97.3	97.8	98.2	98.5	98.6	98.6	99.0	99.2	99.2	99.7	99.7	99.7	99. 9
GE 100	96.6	96.9	97.2	97.3	97.8	98.2	98.5	98.6	98.6	99.0	99.2	99.2	99.7	99.7	99.9	100. 0
GE 000	96.6	96.9	97.2	97.3	97.8	98.2	98.5	98.6	98.6	99.0	99.2	99.2	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 714

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 LST TO UTC: + 8 MONTH: MAR HOURS: 06-08 VISIBILITY IN STATUTE MILES CEILING GΕ GE GE GE GE GE GE GE IN GE GE GE GE 5 3 2 1/2 2 1 1/2 1 1/4 3/4 3/8 FEET 6 1/2 1/4 0 70.7 70.7 70.7 71.0 71.0 71.0 71.0 71.0 71.0 71.0 NO CEIL 70.7 71.0 71.0 71.0 71.0 71.0 **GE 20000** 79.1 79.1 79.1 79.1 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.1 79.4 GE 18000 79.1 79.1 79.1 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 GE 16000 79.1 79.1 79.1 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.1 79.8 79.8 79.8 79.8 79.8 79.5 79.5 79.5 79.8 79.8 79.8 79.8 GE 14000 79.5 79.8 79.8 79.8 81.5 81.8 81.8 81.8 81.8 81.8 81.8 81.8 GE 12000 81.5 81.5 81.8 81.8 81.8 81.8 85.3 85.3 85.3 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 GE 10000 85.3 85.6 85,6 85.6 85.7 9000 85.7 85.7 85.7 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 GE 8000 88.0 88.0 88.0 88.0 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 GE 7000 88.3 88.3 88.3 88.3 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 GE 6000 88.8 88.8 88.8 88.8 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 90.1 90.1 90.1 90.1 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 5000 GF 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.3 90.3 90.3 90.6 GΕ 4500 90.3 90.6 90.6 91.2 91.2 91.2 91.0 91.2 91.2 91.2 91.2 91.2 91.2 91.2 GΕ 4000 91.0 91.0 91.0 91.2 91.2 91.9 92.2 92.2 92.2 GE 3500 91.9 91.9 91.9 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 93.1 3000 92.8 92.8 92.8 92.8 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.7 93.7 93.7 93.7 93.7 93.7 93.7 2500 93.4 93.4 93.4 93.4 93.7 93.7 93.7 93.7 GE 94.3 2000 94.3 94.5 94.5 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 95.0 95.0 95.0 95.0 GE 94.6 94.5 94.5 94.6 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.1 95.1 95.1 95.1 1800 GE 95.3 95.3 96.1 96.4 1500 95.4 95.4 96.2 96.2 96.2 96.2 96.4 96.4 GE 96.1 96.2 96.2 96.4 GE 1200 95.4 95.4 95.5 95.8 96.5 96.5 96.6 96.6 96.6 96.6 96.6 96.6 96.8 96.8 96.8 96.8 GE 1000 95.4 95.4 95.7 96.0 96.6 96.6 96.8 96.9 96.9 96.9 97.0 97.0 97.3 97.3 97.3 97.3 95.5 95.8 96.1 96.9 96.9 97.0 97.2 97.2 97.2 97.3 97.3 97.6 97.6 97.6 97.6 900 95.5 GE 97.0 97.0 97.2 97.3 97.3 97.3 97.6 97.6 98.1 98.1 98.1 800 95.5 95.5 95.8 96.2 98.1 GE 97.4 95.5 95.5 95.8 96.2 97.0 97.0 97.3 97.4 97.4 97.7 97.7 98.2 98.2 98.2 98.2 GE 700 97.2 97.4 97.6 97.7 98.0 98.5 98.5 98.5 95.8 96.4 97.2 97.6 98.0 98.5 GE 600 95.5 95.5 95.7 97.3 97.3 97.6 97.7 97.7 97.8 98.1 98.1 98.8 98.8 98.8 98 8 500 95.7 96.0 96.5 400 95.7 95.7 96.0 96.5 97.3 97.3 97.6 97.8 97.8 98.0 98.2 98.2 98.9 98.9 98.9 98.9 GE 300 95.7 95.7 96.0 96.5 97.4 97.4 97.7 98.1 98.1 98.4 98.7 98.7 99.5 99.5 99.5 99.7 GE 97.4 99.6 99.6 96.5 97.4 97.7 98.1 98.4 98.7 98.7 99.7 100.0 GE 200 95.7 95.7 96.0 98.1 100 95.7 96.0 96.5 97.7 98.1 98.1 98.4 98.7 98.7 99.6 99.6 100.0 GE 96.5 97.4 97.4 97.7 98.1 98.4 98.7 98.7 99.6 99.6 99.7 100.0 000 95.7 95.7 96.0 98.1 GΕ

TOTAL NUMBER OF OBSERVATIONS 741

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radional augus a registrato programa programa programa de la compressión de la compressión de la Contraction de

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: MAR HOURS: 09-11 CEILING VISIBILITY IN STATUTE MILES IN GE GE GE GE GE GE GE GF 5 3 2 1/2 2 1 1/2 1 1/4 5/8 **FFFT** 6 1 3/4 1/2 3/8 1/4 n NO CEIL 68.3 68.3 68.3 68.3 68.3 68.3 68.3 68.3 68.3 68.3 68.3 68.3 68.3 68.3 68.3 68.3 GE 20000 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 GE 18000 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 GE 16000 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 81.3 81.3 81.3 GE 14000 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3 GE 12000 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 84.7 10000 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 85.5 GΕ 9000 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 85.5 87.3 87.3 87.3 8000 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 GE 87.4 GF 7000 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87 4 87.7 87.7 87.7 87.7 GF 6000 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 GE 5000 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 GE 4500 89.2 GE 4000 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 3500 91.7 91.7 91.7 91.7 91.7 GE 91.7 93.4 3000 i 93.1 93.2 93.4 93.4 93.4 93.4 93.4 93.4 CF 93.1 93.1 93.1 93.2 93.4 93.4 94.4 94.6 GE 2500 94.3 94.4 94.4 94.6 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 GE 2000 96.3 96.5 96.5 96.5 96.6 96.6 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 1800 96.3 96.5 96.5 96.5 96.6 96.6 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 GE 96.7 96.9 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 1500 96.3 96.5 96.7 96.9 GE 97.6 97.6 97.2 97 6 97.6 97 6 97.6 97 6 97.6 97.6 97.6 GE 1200 96.5 96.6 1000 96.7 97.2 97.3 97.4 97.4 97.7 97.8 97.8 97.8 98.0 98.0 98.0 98.0 98.0 98.0 GE 96.6 96.7 97.2 97.3 97.4 97.4 97.7 97.8 97.8 97.8 98.0 98.0 98.0 98.0 98.0 98.0 GE 900 96.6 97.3 97.4 97.6 97.6 97.8 98.0 98.0 98.2 GE 800 96.6 96.7 98.0 98.1 98.1 98.2 98.2 98.2 96.7 97.3 97.4 97.6 97.6 97.8 98.0 98.0 98.0 98.1 98.2 98.4 98.4 98.4 98.4 GF 700 96.6 98.2 96.6 97.4 97.6 97.6 98.0 98.2 98.5 98.6 98.8 98.9 98.9 98.9 98.4 GE 600 96.7 96.6 500 96.7 97.3 97.4 97.6 97.6 98.0 98.4 98.4 98.6 98.8 98.9 99.1 99.1 99.1 99. i 99.1 96.7 97.3 97.4 97.6 97.6 98.0 98.5 98.6 98.9 99.2 99.3 99.3 99.3 99... GE 400 96.6 97.6 98.0 99.1 99.5 99.6 99.6 99.6 300 96.6 96.7 97.3 97.4 97.6 98.5 98.6 99.3 99.9 GE 200 96.6 96.7 97.3 97.4 97.6 97.6 98.0 98.5 98.6 99.1 99.3 99.5 99.6 99.6 99.7 100.0 GE 97.4 97.6 97.6 98.0 98.5 98.6 99.1 99.6 99.3 99.6 100.0 GF 100 96.6 96.7 98.5 98.6 99.1 000 96.6 96.7 97.3 97.4 97.6 97.6 98.0 99.3 99.5 99.6 99.6 99.7 100.0

TOTAL NUMBER OF OBSERVATIONS 738

100

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

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STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: MAR HOURS: 12-14 VISIBILITY IN STATUTE MILES CELLING GΕ GE GF GE ßF IN GE GE GF GE GE GF GE GE GE 1 1/2 1 1/4 FEET 7 6 5 4 3 2 1/2 2 1 3/4 5/8 1/2 3/8 1/4 n 60.8 60.8 60.8 60.8 61.0 61.0 61.0 61.0 NO CEIL 60.8 61.0 61.0 61.0 61.0 61.0 61.0 61.0 74.5 GE 20000 74.4 74.4 74.4 74.4 74.4 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.4 74.4 74.4 74.4 74.5 74.5 74.5 74.5 74.5 74.5 74.5 74.5 GE 18000 74.4 74.5 74.5 74.5 74.4 74.4 74.4 74.5 74.5 74.5 74.5 74.4 74.5 74.5 74.5 GE 16000 74.4 74.5 74.5 74.5 74.5 75.3 GE 14000 75.3 75.3 75.3 75.3 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 12000 GE 10000 80.4 80.4 80.5 80.5 80.5 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.8 80.8 9000 80.5 80.5 80.7 80.8 80.8 80.8 80.8 80.8 80.8 80.8 80.8 GE 80.8 83.6 83.7 83.8 83.8 83.8 83.7 83.8 GE 8000 83.6 83.7 83.8 83.8 83.8 83.8 83.8 83.8 83.8 7000 83.7 83.7 83.8 83.8 83.8 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 6000 85.1 85.1 85.2 85.2 85.2 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 GE 5000 87.4 87.4 87.5 87.5 87.5 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 88.2 90.7 88.1 88.1 88.2 88.2 88.2 87.9 87.9 88.1 88.2 88.2 88.2 88.2 88.2 4500 88.2 88.2 GE 90.7 4000 90.5 90.5 90.7 90.7 90.8 90.8 90.8 90.8 90.8 90.8 GE 90.4 90.4 90.5 90.8 GE 3500 91.5 91.5 91.6 91.6 91.6 91.8 91.8 91.8 91.8 91.9 91.9 91.9 91.9 91.9 91.9 91.9 94.1 3000 93.7 93.7 93.8 93.8 93.8 94.0 94.0 94.0 94.0 94.1 94.1 94.1 94.1 94.1 94.1 2500 94.7 94.9 94.9 94.9 95.1 95.1 95.1 95.1 95.2 95.2 95.2 95.2 95.2 95.2 95.2 GF 94.7 97.1 97.1 97.3 97.1 97.1 97.3 97.0 97.0 97.0 97.1 97.3 97.3 2000 96.6 96.6 97.3 97.3 97.3 GF 97.1 97.0 97.0 97.0 97.1 97.1 97.3 97.3 97.3 97.3 97.3 97.3 97.3 GE 1800 96.6 96.6 GE 1500 96.6 96.6 97.1 97.1 97.1 97.3 97.4 97.4 97.4 97.5 97.5 97.5 97.7 97.7 97.7 97.7 1200 97.3 97.3 97.8 97.8 97.8 97.9 98.1 98.1 98.2 98.4 98.4 98.4 98.5 98.5 98.5 98.5 GE 97.9 97.3 97.8 97.8 98.1 98.1 98.5 GE 1000 97.3 97.8 98.2 98.4 98.5 98.6 98.6 98.6 98.6 97.3 97.3 97.8 97.8 97.8 97.9 98.1 98.1 98.2 98.4 98.5 98.5 98.6 98.6 98.6 98.6 900 GE 97.3 97.8 97.9 98.1 98.1 98.5 98.6 97.3 97.8 97.8 98.2 98.4 98.5 98.6 98.6 800 98.6 GE GE 700 97.3 97.3 97.8 97.8 97.8 97.9 98.1 98.1 98.2 98.4 98.5 98.5 98.8 98.8 98.8 98.8 GE 600 97.3 97.3 97.9 97.9 98.2 98.4 98.5 98.5 98.8 99.0 99.5 99.5 99.5 500 97.3 97.3 97.9 97.9 98.2 98.4 98.5 98.5 98.8 99.0 99.3 99.3 99.9 99.9 99.9 99.9 GE 97.3 98.4 98.5 99.3 99.3 97.3 97.9 97.9 98.2 98.5 98.8 99.0 99.9 99.9 99.9 99.9 400 GE 97.9 99.3 99.9 97.3 97.3 98.4 98.5 98.5 99.0 99.3 00 0 99.9 99.9 300 97.9 98.2 98.8 GE 98.5 98.5 GE 200 97.3 97.3 97.9 97.9 98.2 98.4 98.8 99.0 99.3 99.3 100.0 100.0 100.0 100.0 GΕ 100 97.3 97.3 97.9 97.9 98.2 98.4 98.5 98.5 98.8 99.0 99.3 99.3 100.0 100.0 100.0 100.0 97.9 98.5 GE 0001 97.3 97.3 97.9 98.2 98.4 98.5 98.8 99.0 99.3 99.3 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 730

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

• • • •	· · · ·	MACK.	724844		TO UT		NOPAH T	ES! KA	10L NV			IOD OF		Rs: 15-	B3 - MA 17	K YU	
CEI	LING	• • • • • •	•••••	•••••	• • • • • • •		VISIBI	LITY I	STATU	TE MILE	s		•••••	• • • • • • • •	• • • • • • •	•••••	•••••
11		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEI	ET	7	6	5		3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8 	1/2	3/8	1/4	0
NO (CEIL	57.5	57.7	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 2	20000	74.3	74.4	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
	18000	74.8	75.0	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
	16000	75.2	75.4	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
	14000	76.2	76.3	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE	12000	78.0	78.1	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE '	10000	82.4	82.6	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE	9000	82.7	82.8	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE	8000	85.2	85.3	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE	7000	85.5	85.6	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86. 0	86.0	86.0	86. 0	86.0
GE	6000	85.9	86.0	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE	5000	88.7	88.8	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE	4500	89.2	89.3	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GΕ	4000	91.1	91.3	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE	3500	91.8	92.1	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE	3000	92.9	93.2	93.9	93.9	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE	2500	94.9	95.3	96.0	96.1	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GΕ	2000	95.6	96.1	97.0	97.1	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
G€	1800	95	96.1	97.0	97.1	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE	1500		96.3	97.4	97.5	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE	1200	96.3	96.8	97.9	98.1	98.2	98.2	98.2	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE	1000	96.4	97.0	98.1	98.2	98.5	98.5	98.5	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE	900	96.5	97.1	98.2	98.3	98.6	98.6	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE	800	96.7	97.2	98.3	98.5	98.9	98.9	98.9	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE	700	96.7	97.2	98.3	98.5	98.9	98.9	98.9	99.2	99.2	99.2		99.3	99.3	99.3	99.3	99.3
GE	600	96.8	97.4	98.5	98.6	99.0	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
GE	500	96.8	97.4	98.6	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
GE	400	96.8	97.4	98.6	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
GE	300	96.8	97.4	98.6	98.8	99.2	99.2	99.2	99.4	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9
GE	200		97.5	98.8	98.9	99.3	99.3	99.3	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	97.0	97.5	98.8	98.9	99.3	99.3	99.3	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE	000	97.0	97.5	98.8	98.9	99.3	99.3	99.3	99.6	99.6	00 7	100.0	100 0	100 0	100 0	100 0	100.0

THE REPORT OF THE PROPERTY OF

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: MAR HOURS: 18-20 LST TO UTC: + 8 VISIBILITY IN STATUTE MILES CEILING GE GF GF GE GΕ GE GE GF GF GE FEET 7 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 0 ************************** 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3 NO CEIL 65.3 65.3 GE 20000 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.9 77.7 76.9 77.7 76.9 77.7 76.9 77.7 76.9 76.9 76.9 76.9 GE 18000 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 77.7 77.7 77.7 77.7 77.7 77.7 **GE 16000** 77.7 77.7 77.7 77.7 77.7 77.7 GE 14000 79.1 79.1 79.1 79.1 79.1 79.1 79.1 79.1 79.1 79.1 79.1 79.1 79.1 79.1 79.1 79.1 GE 12000 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 GE 10000 87.6 87.6 87.6 87.6 87.6 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 GE 9000 88.0 88.0 88.0 90.9 90.9 91.1 90.8 90.8 90.8 90.9 90.9 90.9 90.9 90.9 90.9 90.9 8000 91.1 91.1 91.1 GE 91.2 91.2 91.2 91.2 91.2 91.2 91.2 91.2 GE 7000 91.1 91.1 91.1 91.2 91.4 91.4 91.4 91.4 91.5 91.7 91.7 91,7 91.7 91.8 GE 6000 91.5 91.5 91.7 91.8 91.8 91.8 5000 92.6 92.6 92.6 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.9 92.9 92.9 92.9 GE 4500 92.6 92.6 92.8 92.8 92.8 92.8 92.8 92,8 92.8 92.8 92.8 92.9 92.9 92.9 GE 92.6 92.9 94.1 93.9 93.9 94.1 94.1 GE 4000 93.9 94.1 94.1 94.1 94.1 94.1 94.1 94.2 94.2 94.2 94.2 3500 94.2 94.2 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.5 94.5 94.5 GF 94.2 94.5 95.5 95.5 95.5 95.5 95.3 95.3 95.5 95.5 95.5 95.5 95.6 95.6 3000 95.3 95.5 95.6 95.6 GΕ 95.8 95.9 95.6 95.9 95.9 95.9 95.9 95.9 95.9 95.9 ĢΕ 2500 95.8 95.9 96.0 96.0 96.0 96.0 GE 2000 96.5 97.2 97.3 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.6 97.6 97.6 97.6 1800 96.6 97.3 97.5 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.7 97.7 97.7 97.7 GE 98.2 98.2 98.3 GE 1500 96.9 97.6 97.9 98.0 98.0 98.0 98.2 98.2 98.2 98.2 98.3 98.3 98.3 97.3 98.0 98.3 98.4 98.4 98.4 98.6 98.6 98.6 98.6 98.6 98.6 98.7 98.7 98.7 98.7 GE 1200 98.3 98.4 98.4 98.6 98.6 98.9 1000 97.3 98.0 98.4 98.6 98.6 98.6 98.7 98.9 98.9 98.9 GE 98.6 99.2 GE 900 97.3 98.0 98.3 98.4 98.4 98.4 98.6 98.6 98.7 98.7 98.9 99.0 99.2 99.2 98.6 GE 800 97.5 98.2 98.4 98.6 98.6 98.7 98.7 98.7 98.9 98.9 99.0 99.2 99.3 99.3 99.3 97.6 99.0 99.2 GE 700 98.3 98.6 98.7 98.7 98.7 98.9 98.9 98.9 99.0 99.3 99.4 99.4 99.4 GE 600 98.0 98.7 99.0 99.2 99.2 99.3 99.3 100.0 100.0 98.7 99.0 99.2 99.2 99.2 99.3 99.3 99.6 99.7 98.0 99.3 99.4 99.4 99.9 100.0 100.0 GE 500 99.2 99.2 99.3 99.6 99.7 100.0 99.0 99.2 99.3 99.3 99.4 99.4 99.9 GE 400 98.0 98.7 100.0 99.2 99.2 99.2 99.3 99.3 99.3 99.4 99.4 99.6 99.7 99.9 99.0 GE 300 98.0 98.7 100.0 100.0 GE 200 98.0 98.7 99.0 99.2 99.2 99.2 99.3 99.3 99.3 99.4 99.4 99.6 99.7 99.9 100.0 100.0 GE 100 98.0 98.7 99.0 99.2 99.2 99.2 99.3 99.3 99.3 99.4 99.4 99.6 99.7 99.9 100.0 100.0 99.4 GE 000 98.0 98.7 99.0 99.2 99.2 99.2 99.3 99.3 99.3 99.4 99.6 99.7 99.9 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 707

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THE PROPERTY OF THE PROPERTY O

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: MAR HOURS: 21-23 CEILING VISIBILITY IN STATUTE MILES GE GE GΕ GE GE GE GE IN GE GE GE GE GE GE 3 2 1/2 1 1/2 1 1/4 FEET 6 4 1 3/4 5/8 1/2 3/8 1/4 ۵ 74.2 74.2 74.2 74.2 NO CEIL 74.2 74.2 74.2 74.2 74.2 74.2 74.2 74.2 74.2 74.2 74.2 74.2 GE 20000 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 GE 18000 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.2 83.2 83.2 GE 16000 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 GE 14000 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 86.5 86.5 86.5 86.5 GE 12000 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 88.9 88.9 88.9 GE 10000 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 9000 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 92.0 GE 8000 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 7000 92.6 92.6 92.6 92.6 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 GE 6000 92.9 92.9 92.9 92.9 93.0 3.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 GE 93.4 93.6 93.6 93.4 93.4 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.4 93.6 GE 5000 93.7 GE 4500 93.6 93.6 93.6 93.6 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 4000 94.4 94.4 94.4 94.4 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 GE 94.9 94.9 94.9 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 GE 3500 94.9 96.4 96.3 96.3 96.4 96.4 96.4 96.4 96.4 3000 96.3 96.3 96.4 96.4 96.4 96.4 96.4 96.4 GE 97.0 97.0 97.0 97.0 97.0 97.0 GE 2500 96.6 96.7 96.7 96.7 96.9 96.9 97.0 97.0 97 A 97.n 2000 97.2 97.3 97.3 97.3 97.4 97.4 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 GΕ 97.6 97.6 1800 97.2 97.3 97.3 97.3 97.4 97.4 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 GE 97.7 97.7 97.9 97.9 98.3 98.3 1500 97.6 97.7 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 GE 97.9 98.1 98.1 98.1 98.3 98.3 98.7 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 GE 1200 99.6 99.6 98.0 98.4 98.4 98.4 99. N 99.0 99.4 99.6 99.6 99.6 99.6 99.6 99.6 99.6 GE 1000 99.1 99.7 99.7 GE 900 98.1 98.6 98.6 98.6 99.1 99.6 99.7 99.7 99.7 99.7 99.7 99.7 99.7 800 i 98.4 98.9 98.9 98.9 99.4 99.4 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.4 99.4 98.9 98.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 700 98.4 98.9 600 98.4 98.9 98.9 98.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.4 99.4 99.9 100.0 100.0 100.0 100.0 100.0 98.4 98.9 98.9 98.9 100.0 100.0 100.0 100.0 GΕ 500 100.0 100.0 100.0 400 98.4 98.9 98.9 98.9 99.4 99.4 99.9 100.0 100.0 100.0 100.0 100.0 100.0 GE 300 98.4 98.9 98.9 98.9 99.4 99.4 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 200 98.4 98.9 98.9 98.9 99.4 99.4 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100 98.4 98.9 98.9 98.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 98.9 99.4 99.4 GE 0001 98.4 98.9 98.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 702

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: MAR HOURS: ALL CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GE GE GE GE 11 GE GE 5 3 2 1/2 1 1/2 1 1/4 3/4 5/8 FEET 6 4 2 1 1/2 3/8 1/4 n NO CEIL 69.1 64.1 69.1 69.1 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2 69.2 79.8 79.8 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 GE 20000 79.8 79.8 79.0 70 0 GE 18000 79.9 79.9 79.9 79.9 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.1 80.0 80.1 80.1 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 GE 16000 80.0 80.1 80.2 80.9 80.9 81.0 81.0 81.0 81.0 81.0 GE 14000 80.9 80.9 81.0 81.0 81.0 81.0 81.0 81.0 81.0 GE 12000 82.5 82.5 82.6 82.6 82.6 82.6 82.7 82,7 82 7 82 7 82 7 82 7 82.7 82.7 82.7 82.7 10000 85.7 85.7 85.8 85.8 85.8 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 86.4 86.4 GE 9000 86.2 86.2 86.2 86.2 86.3 86.3 86.3 86.4 86.4 86.4 86.4 86.4 86.4 86.4 88.6 88.6 88.7 88.7 88.7 88.7 88.7 88.7 GE 8000 88.5 88.5 88.6 88.6 88.7 88.7 88.7 88.7 88.9 88.9 88.9 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 GF 7000 88.8 88.8 88.8 89.0 89.0 89.3 89.4 89.4 89.4 89.4 89.4 89.2 89.2 89.3 89.3 89.4 89.4 89.4 89.4 89.4 89.4 GE 6000 GE 5000 90.6 90.6 90.6 90.6 90.7 90.7 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 91.0 4500 90.8 90.8 90.9 90.9 90.9 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 GE 4000 92.2 92.3 92.3 92.4 92.4 92.4 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 GE 92.2 92.8 92.9 92.9 93.0 93.0 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 3500 92.8 GE 3000 94.0 94.0 94.5 GE GE 2500 94.8 94.9 95.0 95.1 95.2 95.2 95.3 95.3 95.3 95.3 95.3 95.3 95.4 95.4 95.4 95.4 GE 2000 95.9 96.1 96.3 96.4 96.5 96.6 96.7 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.7 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 1800 96.0 96.3 96.5 96.5 96.8 96.9 GE 96.7 97.0 97.1 97.2 97.3 97.6 97.6 97.6 97.6 97.6 97.6 97.7 97.7 97.7 97.7 1500 96.4 GE 96.7 97 n 97.4 97 6 98.0 98.0 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 GE 1200 97.2 98.5 GE 1000 96.9 97.6 97.7 98.0 98.0 98.3 98.4 98.5 98.6 98.6 98.6 98.6 98.6 98.6 98.6 900 97.0 97.3 97.6 97.7 98.0 98.1 98.4 98.5 98.5 98.7 98.7 98.8 98.8 98.8 98.8 GE 99.0 99.0 97.0 97.4 97.7 97.9 98.2 98.5 98.7 98.7 98.8 98.9 99.0 99.0 GE 800 98.2 98.6 98.6 97.1 97.4 97.8 97.9 98.2 98.3 98.7 98.7 98.8 98.9 98.9 99.0 99.1 99.1 99.1 GF 700 99.3 98.7 98.9 00.3 99.3 600 97.1 97.4 97.8 98.0 98.3 98.4 98.9 GE 99,1 99.3 99.5 99.5 99.5 99.0 99.3 99.5 500 97.2 97.5 97.9 98.0 98.4 98.5 98.8 98.9 97.9 99.6 400 97.2 97.5 98.0 98.4 98.5 98.8 99.0 99.0 99.2 99.3 99.4 99.6 99.6 99.6 GE 97.9 99.1 99.3 99.4 99.5 99.8 GΕ 300 97.2 97.5 98.0 98.4 98.5 98.8 99.0 99.7 99.7 99.8 97.2 98.4 99.4 99.8 200 97.5 97.9 98.1 98.5 98.8 99.0 99.1 99.3 99.5 99.8 99.9 100.0 GE 97.2 97.5 99.0 99.8 99.8 98.1 98.4 98.8 100.0 GE 100 98.5 000 97.2 97.5 97.9 98.1 98.4 98.5 98.8 99.0 99.1 99.3 99.4 99.5 99.8 99.8 99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 5760

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79

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: APR HOURS: 00-02 VISIBILITY IN STATUTE MILES CEILING GE GE GE GE 1 M GE GF GF GF GF GE GF GF GE GE CF 1 1/2 1 1/4 2 1/2 FEET 6 5 4 3 2 1 3/4 5/8 1/2 3/8 1/4 0 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 NO CEIL 80.4 88.8 GE 200001 88.8 88.8 88.8 88.8 88.8 88.8 88.8 RR.R 88.8 88.8 88.8 88.8 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 GE 18000 Ì 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 GE 16000 89.6 89.6 89.6 90.6 90.6 90.6 90.6 GE 14000 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 91.7 91.7 GE 12000 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 GE 10000 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 9000 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 GE 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 ደበበበ 94.4 94.4 94.4 94.4 GE 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 GE 7000 94.4 94.4 94.5 6000 94.5 94.5 94.5 94.5 94.5 94.5 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 GE 5000 94.7 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 4500 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 GE 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 95.4 96.4 GE 4000 96.4 96.4 96.4 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 GE 3500 GE 3000 97.8 97.8 97.8 97.8 97.8 98.3 98.3 **08 3** QR 3 98.3 98 3 QR T OR 3 Q8 3 98.0 98.0 98.0 98.0 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 GE 2500 98.0 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 GF 2000 98.8 98.8 98.8 98.8 98.8 99.3 99.3 99.0 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 1800 99.0 99.0 99.0 99.0 99.5 99.5 GF 99.0 99.0 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.0 99.0 99.5 99.5 99.5 GE 1500 99.0 99.1 99.1 GE 1200 99.1 GE 1000 99.1 99.1 99.1 99.1 99.1 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 900 99.1 99.1 99.1 99.1 99.1 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE 99.1 99.7 99.7 99.1 99.1 99.1 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 800 99.1 GE 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.1 99.1 99.1 99.7 99.7 GE 700 99.1 99.1 99.1 99.1 99.1 99.1 99 R QQ R 99.8 99.8 99.8 90.8 90.8 99.8 GE 600 99.1 99.7 00 R 99.8 99.3 99.3 99.3 99.3 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 500 99.3 99.3 99.3 99.3 99.3 99.3 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 400 99.3 99.3 99.3 99.3 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 99.3 GE 99.3 99.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 200 99.3 99.3 99.3 99.8 100.0 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.3 100 90.3 7.00 99.3 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 587

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: APR HOURS: 03-05 LST TO UTC: + 8 CEILING VISIBILITY IN STATUTE MILES GΕ GE GE GE GE GE GE IN 7 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 0 FEET 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 NO CEIL 80.0 80.0 80.0 80.0 80.0 GE 20000 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 GE 18000 86.8 86.8 86.8 86.8 86.8 86.8 86.8 85.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 GE 16000 86.8 86.8 86.8 86.8 86.8 86.8 GE 14000 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6 37.6 87.6 87.6 87.6 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 GE 12000 91.0 91.0 91.0 91.0 91.0 91.0 91.0 GE 10000 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.3 91.3 91.3 91.3 GE 9000 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 92.0 8000 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 7000 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 GE 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 GΕ 6000 93.3 93.3 93.3 93.3 5000 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 GE 4500 93.8 93.8 93.8 93.8 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 GE 94.8 94.8 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 4000 94.8 GΕ 94.8 95.7 96.0 96.0 95.7 95.7 95.7 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 ĢΕ 3500 96.0 97.3 97.5 97.5 97.5 GE 3000 96.8 96.8 97.0 97.0 97.3 97.5 97.5 97.5 97.5 97.5 97.8 GE 2500 97.0 97.0 97.3 97.3 97.7 97.7 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 2000 97.3 97.3 97.7 97.7 98.0 98.0 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 GE 1800 97.3 97.3 97.8 97.8 98.2 98.2 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 GE 98.5 98.8 98.8 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 1500 98.0 98.5 GE 98.0 99.2 98.7 99.2 99.2 99.2 99.2 99.2 99.2 GE 1200 98.2 98.2 98.7 99.0 99.0 99.2 99.2 99.2 99.5 99.5 99.5 99.5 1000 98.5 98.5 99.0 99.0 99.3 99.3 99.5 99.5 99.5 99.5 99.5 99.5 99.0 99.0 99.3 99.3 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 900 98.5 98.5 99.2 98.7 98.7 99.2 99.5 99.5 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 800 GE 99.5 99.7 99.7 99.7 700 98.7 98.7 99.2 99.2 99.5 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE 98.7 99.2 600 98.7 GE 100.0 99.0 99.5 99.8 100.0 100.0 100.0 99.5 99.8 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 500 99.0 100.0 100.0 100.0 400 99.0 99.0 99.5 99.5 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100 0 GE GE 300 99.0 99.0 99.5 99.5 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 200 99.0 99.0 99.5 99.5 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100 99.0 99.5 99.5 99.8 99.8 100.0 100.0 GE 99.5 99.5 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GF 000 99.0 99.0

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: APR HOURS: 06-08 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GF IN GE GF GE GF GE 2 1/2 1 1/2 1 1/4 FFFT 7 6 5 4 3 2 1 3/4 5/8 1/2 3/8 1/4 74.6 74.6 NO CEIL 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 83.8 GE 20000 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83 8 82 8 GE 18000 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 GF 16000 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 85.2 85.2 85.2 14000 85.2 85.2 85.2 85.2 GE 85.2 85.2 85.2 85.2 85.2 85.2 85.2 85.2 85.2 86.8 GE 12000 86.8 86.8 84.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 GE 10000 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 9000 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 GE 89.0 89.0 89.0 80.0 8000 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 GE 89.8 89.8 89.8 89.8 89.8 7000 89.8 89,8 80.8 89.8 89.8 89.8 89.8 89.8 80.8 89.8 89.8 GF 89.8 89.8 89.8 89.8 91.1 91.1 91.1 GE 6000 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 GE 5000 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 4500 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 GΕ 92.2 92.2 92.2 92.2 4000 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 GE 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 94.0 3500 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 GE 94.0 94.0 94.0 95.4 95.4 95.4 95.7 95.7 95.7 3000 95.4 95.4 95.4 95.6 95.6 95.6 95.7 95.7 95.7 95.7 GF GE 2500 96.3 96.3 96.3 96.3 96.3 96.3 96.5 96.5 96.5 96.7 96.7 96.7 96.7 96.7 96.7 96.7 98.3 98.6 2000 97.8 98.4 98.4 98.4 98.4 98.6 98.6 98.7 98.7 98.7 98.7 98.7 98.7 GE 98.7 97.8 1800 98.3 98.4 98.4 98.4 98.4 98.6 98.7 GE 98.6 98.6 98.7 98.7 98.7 98.7 98.7 98.7 GE 1500 98.4 98.9 99.0 99.0 99.0 99.0 99.2 99.2 99.2 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.0 99.0 99.2 1200 98.4 98.9 99.0 99.0 99 2 99.2 99 4 99 4 99 4 90 4 99 4 99 A 99 4 GF 99.0 99.2 99.2 1000 99.2 GE 98.6 99.2 99.4 99.4 99.4 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.4 99.4 99.4 99.5 99.5 99.5 99.5 99.5 99.5 GE 900 98.6 99.0 99.2 99.2 99.2 99.2 99.5 99.4 99.7 GE 800 98.6 99.0 99.2 99.2 99.2 99.2 99.4 99.4 99.7 99.7 99.7 99.7 99.7 99.7 99.2 GE 700 98.6 99.0 99.2 99.2 99.2 99.4 99.4 99.4 99.7 99.7 99.7 99.7 99.7 99.7 99.7 600 98.6 GF 99.2 99.2 99.2 99.4 99.7 GE 500 98.6 99.0 99.2 99.4 99.4 99.7 99.7 99.7 99.7 99.7 99.7 GE 400 98.6 99.0 99.2 99.2 99.2 99.2 99.4 99.4 99.4 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.0 99.2 99.2 99.4 99.4 99.4 99.7 99.7 99.7 99.7 99.7 GE 300 98.6 99.2 99.2 99.7 99.7 99.2 GE 200 98.6 99.0 99.2 99.2 99.2 99.4 99.4 99.4 99.7 99.7 99.7 99.8 99.8 99.8 99.2 99.0 99.2 99.2 GF 100 98.6 99.4 99.4 99.7 99.7 90 R 99 R 90 R 90 1 GE 000 98.6 99.0 99.2 99.2 99.2 99.4 99.4 99.4 99.7 99.7 99.7 99.8 99.8 99.8 100.0

人名英格特 电二十二十二

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: APR HOURS: 09-11 VISIBILITY IN STATUTE MILES CEILING GE GΕ GE GF GF 1 M GE GE GE GF GE 2 1/2 1 1/2 1 1/4 FEET 6 5 4 3 2 1 3/4 5/8 1/2 3/8 1/4 0 70.5 NO CEIL 70.5 70.5 70.5 70.5 70.5 70.5 70.5 70.5 70.5 70.5 70.5 70.5 70.5 70.5 70.5 GE 20000 82.4 82.4 82.4 82.4 82.4 82.4 82.4 82.4 82.4 82.4 82.4 82.4 82.4 82.4 82.4 82 4 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 GE 18000 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 GE 16000 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 GE 14000 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 85.4 85.4 GE 12000 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 GE 10000 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87,1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 9000 87.1 87.1 GF 87.1 87.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 8000 88.1 88.1 GE 88.1 88.1 88.1 88.1 88.1 88.1 88.1 7000 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 88.1 89.4 GE 6000 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 90.3 90.3 GΕ 5000 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 4500 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 GE 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 4000 GF 95.1 95.1 GE 3500 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 97.8 97.8 97.8 97.8 97.8 97.8 3000 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 GE 2500 98.4 99.7 99.7 99.7 99.7 99.7 2000 99.4 99.4 99.5 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE 99.7 99.7 99.7 GF 1800 99.4 99.4 99.5 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 1500 99.5 99.7 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 00.4 99.8 GE 99.8 99.7 99.8 99.8 99.8 99.8 99.8 99.8 GE 1200 99.4 99.5 99.8 99.8 99.8 99.8 99.8 99.8 1000 99.4 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE GE 900 99.4 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 800 99.4 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.4 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 700 100.0 600 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.7 100.0 100.0 100.0 500 99.4 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.4 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 400 100.0 99.4 300 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100,0 100.0 100.0 100.0

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: APR HOURS: 12-14 LST TO UTC: + 8 VISIBILITY IN STATUTE MILES CEILING GF GE GE GE GE <u>ل</u> 2 GF GF GE IN GE GF GE. GE GE FEET 7 2 1/2 1 1/2 1 1/4 5 4 6 3 1 3/4 5/8 1/2 3/8 1/4 0 NO CEIL 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7 75.4 GE 20000 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 GE 18000 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 GE 16000 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 GE 14000 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 GE 12000 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.4 78.4 80.3 GE 10000 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80 3 9000 80.3 80.3 GE 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 80.3 GE 8000 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 GE 7000 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 6000 85.9 GE 85,9 85.9 85.9 85.8 85.9 85.9 85.9 85.9 85.9 85.0 85.9 85.9 85.9 85.9 88.3 GE 5000 88.2 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.3 88.6 GE 4500 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 GE 4000 91.4 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 94.4 GE 3500 94.2 94.4 94.4 94.4 94.4 94.4 94 4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 3000 98.6 98.6 98.6 98.6 98.6 98.6 98.6 GE 98.4 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 GE 2500 99.0 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 GE 2000 99.4 99.5 99.7 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.4 99.8 99.8 99.8 99.8 99.8 GE 1800 99.5 99.7 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.4 99.5 99.8 99.8 GE 1500 99.7 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 99.5 99.8 GE 1200 99.7 99.8 99.8 99.8 99.8 90.8 99.8 100.0 100.0 100.0 170.0 100.0 100.0 99.8 GE 1000 00 A 99.5 99.7 00 R 00 R 99.8 8.99 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 GE 900 99.4 99.5 99.7 99.8 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.8 GE 800 99.4 99.5 99.7 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 99.4 99.8 99.8 99.8 99.8 ĢΕ 700 i 99.5 99.7 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.8 GE 600 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.8 99.8 500 99.4 99.5 99.7 90.8 99.8 99.8 GE 99.8 100.0 100.0 100.0 100.0 100.0 99.7 99.8 GE 40n 99.4 99.5 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 99.5 99.7 99.8 GΕ 300 99.4 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 GE 200 99.4 99.5 99.7 99.8 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 99.8 GE 100 99.7 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100 0 100 0 100 !! GE

TOTAL NUMBER OF OBSERVATIONS 625

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: APR HOURS: 15-17 IST TO UTC: + 8 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GE GE GE GE GE GE GE GF 5 4 3 2 1/2 2 1 1/2 1 1/4 FEET 6 1 3/4 5/8 1/2 3/8 1/4 58.3 76.3 76.3 76.3 GE 20000 76.3 76.3 76.3 76.3 76.3 76.3 76.3 76.3 76.3 76.3 76.3 76.3 76.3 GE 18000 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 77.3 GE 16000 77.3 GE 14000 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6 78.6 GE 12000 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80 5 80.5 82.3 82.3 82.3 82 3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 GE 10000 82.3 82.3 GE 9000 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 82.6 85.1 85.1 85.1 85.1 85.1 8000 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 GΕ 7000 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 87.2 86.9 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.2 87.3 87.3 GE 87.3 6000 88.6 88.ó 88.6 88.6 88.6 88.6 88.6 88.6 89.0 89.0 89.0 89.1 GE 5000 88.5 89.1 89.1 89.1 4500 89.9 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.4 90.4 90.4 90.6 90.6 90.6 90.6 GE GE 4000 92.4 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.9 92.9 92.9 93.0 93.0 93.0 93.0 95.8 95.3 95.5 95.5 95.8 95.8 95.9 95.9 95.9 GE 3500 95.1 95.5 95.5 95.5 95.5 95.5 95.9 97.6 97.6 97.6 97.9 97.9 GΕ 3000 97.2 97.4 97.6 97.6 97.6 97.6 98.1 98.2 98.2 98.2 97.4 97.6 97.6 97.6 97.6 97.6 97.6 97.9 97.9 98.1 98.2 98.2 98.2 98.2 GE 2500 97.2 97.6 97.9 98.9 98.9 99.0 99.2 99.2 99.2 GΕ 2000 97.7 98.2 98.2 98.2 98.2 98.2 98.2 98.2 99.2 98.2 99.2 GE 1800 97.7 97.9 98.2 98.2 98.2 98.2 98.2 98.2 98.9 98.9 99.0 99.2 99.2 99.2 97.7 97.9 98.2 98.2 98.2 98.2 98.2 98.4 98.4 99.0 99.0 99.2 99.4 99.4 99.4 99.4 GE 1500 99.0 99.4 GE 1200 97.7 98.2 98.2 98.2 98.2 98.4 97.7 97.9 98.2 98.2 98.2 98.2 98.2 98.4 98.4 99.0 99.0 99.2 99.4 99.4 99.4 99.4 1000 GE 99.4 98.4 99.0 99.2 99.4 99.4 99.0 99.4 900 97.7 97.9 98.2 98.2 98.2 98.2 98.2 98.4 GE 99.2 99.5 99.5 99.5 GE 800 97.7 97.9 98.2 98.2 98.2 98.2 98.2 98.4 98.4 99.0 99.4 99.5 99.5 GE 700 97.7 97.9 98.2 98.2 98.2 98.2 98.2 98.4 98.4 99.0 99.2 99.4 99.5 99.5 99.5 99.0 99.4 99.5 99.5 GE 600 97.7 97.9 98.2 98.2 98.2 98.2 98.2 98.4 98.4 99.2 99.5 99.5 97.7 98.2 98.2 98.4 99.0 99.2 99.5 99.7 99.7 99.8 99.8 97.9 98.2 98.2 98.2 98.4 GE 500 99.2 99.7 99.8 98.2 98.4 99.0 99.5 99.7 99.8 97.9 98.2 98.2 98.4 GE 400 97.7 98.2 98.2 98.4 99.2 GE 300 97.7 97.9 98.2 98.2 98.2 98.2 98.2 98.4 99.0 99.5 99.8 99.8 100.0 100.0 200 97.7 97.9 98.2 98.2 98.2 98.2 98.2 98.4 98.4 99.0 99.2 99.5 99.8 99.8 100.0 100.0 GE 99.2 99.5 100 97.7 98.2 98.2 98.2 98.2 98.2 98.4 98.4 99.0 99.8 100.0 000 97.7 97.9 98.2 98.2 98.2 98.2 98.2 98.4 98.4 99.0 99.2 99.5 99.8 99.8 100.0 100.0 GE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: APR HOURS: 18-20 VISIBILITY IN STATUTE MILES CEILING GE GE 2 1/2 2 GE GE GE GE GE GE IN FEET | 3 2 1/2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 67.0 NO CEIL 67.0 67.2 GE 20000 82.7 82.7 82.9 82.9 82.9 82.9 82.9 82.9 82.9 82.9 82.9 82.9 82.9 82.9 82.9 82.9 GE 18000 82.9 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 82.9 83.1 83.1 83.2 83.4 83.4 83.4 83.4 83.4 83.4 GE 16000 83.4 83.4 83.2 83.4 83.4 83.4 83.4 83.4 83.4 84.6 GE 14000 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.6 GE 12000 85.9 85.9 86.1 86.1 86.1 86.1 86.1 86.1 86.1 86.1 86.1 86.1 86.1 86.1 86 1 88.4 88.3 88.4 88.4 88.4 88 4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 GE 10000 88.3 88.4 GF 9000 88.3 88.3 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 91.8 8000 91.8 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 GE 92.0 7000 91.8 91.8 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 GE 93.6 93.6 6000 93.5 93.5 93.6 93.6 93.6 93.6 GE 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 94.6 95.0 95.0 95.0 GE 5000 94.6 94.8 95.1 95.1 95.1 95.1 95.1 95.0 95.1 95.1 95.1 4500 94.8 94.8 95.1 95.1 95.1 95.1 95.1 4000 96.1 96.1 96.3 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 GE 97.5 GE 3500 97.5 97.7 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 3000 98.8 98.8 90 n 99.2 99.2 99.2 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.2 99.2 99.5 99.5 99.5 99.5 99.5 99.3 GE 2500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 2000 99.5 99.5 99.7 99.8 100.0 100.0 100.0 100.0 100.0 1800 i 99.5 99.5 99.7 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.5 99.7 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1500 99.5 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GF 1200 99.7 99.5 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1000 99.5 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 900 99.5 99.5 99.7 99.8 100.0 99.7 GE 800 99.5 99.5 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.7 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 700 99.5 99.5 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 600 100.0 100.0 GE 99.5 99.5 99.7 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100 500 GE 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 106 GE 400 99.5 99.5 99.8 100.0 100.0 100.0 100.0 GE 300 99.5 99.5 99.7 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100 99.5 99.8 200 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100. GE GE 100 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 000 99.5 99.5 99.7 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE

TOTAL NUMBER OF OBSERVATIONS 597

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8 MONTH: APR HOURS: 21-23 VISIBILITY IN STATUTE MILES CEILING GE GE GE GE GE GE IN 3 5 4 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 FEET GE 20000 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 GE 18000 87.5 GE 16000 87.5 87,5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 88.5 GE 14000 88.5 GE 12000 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 GE 10000 92.6 92.6 92.6 9000 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 GE 94.4 94.4 94.4 94.4 8000 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 GE 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 GE 7000 94.4 94.4 95.8 6000 95.8 5000 95.8 GE 96.3 97.5 96.3 96.3 96.3 96.3 96.3 96.3 96.3 4500 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 97.3 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 GE 4000 97.3 97.3 97.3 97.5 3500 98.3 98.3 98.3 98.3 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 3000 99.2 99.2 99.3 99.5 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.8 99.8 99.2 99.3 99.3 99.5 99.7 99.8 99.8 99.8 99.8 99.8 GE 2500 99.2 99.7 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.2 99.3 99.3 GE 2000 99.2 99.3 1800 99.7 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.3 GE 99.2 99.2 99.3 99.7 100.0 100.0 GE 1500 99.2 99.2 99.3 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1200 99.7 99.8 100.0 99.3 99.7 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1000 99.2 99.2 99.3 99.3 99.7 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 900 99.2 99.2 99.3 GE 99.2 99.3 99.3 99.7 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 800 99.2 GE 99.3 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.2 99.3 99.8 700 99.2 GE 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.3 100.0 GE 600 99.2 99.8 99.2 99.3 99.3 99.7 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 500 99.2 99.3 99.3 99.7 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 400 99.2 99.2 GE 99.8 99.3 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 i 99.2 99.2 99.3 100.0 100.0 GE 99.3 99.7 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.3 100.0 100.0 100.0 GE 200 99.2 99.2 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.3 99.8 100 8 99.2 000 99.2 99.2 99.3 99.3 99.7 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: APR HOURS: ALL VISIBILITY IN STATUTE MILES CEILING GE GE GE IN GF GF GF GF GE GF GF GE GE GE GF GF 1 1/2 1 1/4 FEET 6 5 4 3 2 1/2 2 1 3/4 5/8 1/2 3/8 70.8 70.8 70.8 70.8 70.8 70.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 GF 20000 82.8 82.8 82.8 82.8 82.8 82.8 82.8 82.8 83.5 GE 18000 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.6 GE 16000 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 GE 14000 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 GE 12000 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 87.9 87.9 87.9 87.9 GE 10000 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 88.0 88.0 88.0 88.0 88.0 88.0 GE 9000 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 89.8 GE 8000 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 GE 7000 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 91.2 91.2 6000 91.2 91.2 91.2 91.2 92.1 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.3 92.3 92.3 5000 92.3 GE 92.7 92.8 92.8 92.8 92.8 GE 4500 92.7 92.8 92.8 92.8 92.8 92.8 92.8 92.9 92.9 92.9 92,9 GE 4000 94.1 94.1 94.1 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.3 94.3 94.3 94.3 3500 95.9 95.9 95.9 96.0 96.0 96.0 96.0 96.0 96.0 96.1 96.1 96.1 96.1 96.1 96.1 96.1 GE 97.8 3000 97.7 97.7 97.8 97.8 97.9 98.0 98.0 98.0 98.1 98.1 98.1 98.1 98.1 98.1 98.1 2500 98.0 98.1 98.2 98.2 98.3 98.3 98.4 98.4 98.4 98.5 98.5 98.5 98.5 98.5 98.5 98.5 GE 99.4 98.6 98.7 98 9 99.0 99.1 99.2 99.2 99.2 99.2 99.3 99.3 99.3 99.4 99.4 99.4 GE 2000 99.1 99.0 99.2 99.3 99.3 99.3 99.4 99.4 99.4 99.4 98.7 99.0 99.4 99.4 99.4 GE 1800 98.6 99.6 GE 1500 98.8 98.9 99.1 99.2 99.3 99.4 99.4 99.5 99.5 99.6 99.6 99.6 99.6 99.6 99.6 99.3 98.9 GF 1200 GE 1000 98.9 99.0 99.2 99.3 99.4 99.5 99.6 99.6 99.6 99.7 99.7 99.7 99.8 99.8 99.8 99.8 99.3 99.4 99.5 99.6 99.6 99.6 99.7 99.7 99.8 99.8 99.8 99.8 99.2 99.7 900 98.9 99.0 ĢΕ 99.4 99.5 99.6 99.8 99.3 99.6 99.8 99.8 99.8 90 R 99.3 99.6 99.7 99.8 GE 800 98.9 99.1 GΕ 700 98.9 99.1 99.3 99.3 99.4 99.5 99.6 99.6 99.6 99.7 99.8 99.8 99.8 99.8 99.8 99.8 99.1 99.6 99.6 99.6 99.8 99.8 99.8 600 98.9 99.3 99.4 99.5 99.8 99.8 99.8 99.8 99.0 99.1 99.3 99.4 99.5 99.6 99.7 99.7 99.7 99.8 99.9 99.9 99.9 99.9 99.9 99.9 GE 500 99.9 99.0 99.4 99.5 99.6 99.7 99.8 99.9 99.9 99.9 99.1 99.3 99.7 99.7 99.9 99.4 GE 400 99.5 99.7 99.0 99.1 99.3 99.4 99.6 99.8 99.9 99.9 99.9 GE 300 99.7 99.7 99.9 100.0 100. U GE 200 99.0 99.1 99.3 99.4 99.5 99.6 99.7 99.7 99.7 99.8 99.9 99.9 100.0 100.0 100.0 100.0 99.6 99.7 99.7 99.8 99.9 100 99.0 99.5 99.7 99.9 100.0 100.0 100.0 100.0 99.5 99.6 99.7 99.7 99.8 99.9 99.9 100.0 100.0 100.0 100.1 000 99.0 99.1 99.3 99.4 GE

TOTAL NUMBER OF OBSERVATIONS 4876

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: MAY HOURS: 00-02

			LS	1 10 01	C: + 8					MON	TH: MAY	HOUR	s: 00-0)2		
CEILING	CEILING VISIBILITY IN STATUTE MILES															
IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
	1									· · · · · ·				•••••	•••••	• • • • • • •
NO CEIL	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 2000		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1800		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1600		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1400		93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 1200	0 93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1000		96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 900		96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	-,	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 600	0 98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 500		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 450		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3500		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2500		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7		100.0	100.0	100.0	100.0	100.0	100.0
GE 300		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100,0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: MAY HOURS: 03-05 CEILING VISIBILITY IN STATUTE MILES GE GE GE GΕ GE GE GE GE GE GE IN GF GE GF 7 5 3 2 1/2 1 1/2 1 1/4 3/4 4 2 5/8 FEET 6 1 1/2 3/8 1/4 0 NO CEIL 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 GE 20000 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.8 GE 18000 90.8 GE 16000 90.8 90.8 90.8 90.8 GE 14000 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.3 91.3 91.3 91.3 91.3 GE 12000 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 94.1 94.3 94.3 94.3 GE 10000 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.3 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 GE 9000 94.1 94.1 94.1 94.3 94.3 94.3 94.3 95.1 95.1 95.1 95.1 95.1 95.1 GE 8000 95.1 95.1 95.1 95.1 95.1 95.1 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.4 95.4 95.4 7000 95.2 95.2 95.2 95.4 GE 6000 95.4 GE 95.6 95.6 GE 5000 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.7 96.7 96.7 96.7 GE 4500 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.1 97.1 97.1 97.1 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.9 97.9 4000 97.8 97.8 97.8 97.9 97.9 GE 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.6 98.6 98.6 98.6 3500 98.4 98.4 98.4 GE 98.9 GE 3000 98.9 98.9 QR.Q 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 99.0 99.0 99.0 99.0 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.4 99.4 99.4 99.4 GE 2500 99.2 99.5 99.5 99.7 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.7 99.7 99.7 2000 99.5 GE 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.7 99.7 99.7 1800 99.5 99.5 99.5 99.5 99.5 99.7 GE 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.7 99.7 99.7 GE 1500 99.5 99.5 99.5 90 5 99.7 99.5 99.5 99.5 99.5 99.5 99.7 99.7 99.7 GE 1200 99.5 99.5 99.5 99.5 1000 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.7 99.7 99.7 99.7 GE 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.7 99.7 99.7 99.7 GE 900 99.5 99.7 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.7 99.7 99.7 GE 800 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.7 99.7 99.7 99.7 700 99.5 GE 99.5 00 5 99.5 99.5 99.5 99.7 99.7 QQ . ĢΕ 600 99.5 99.5 00 5 00 5 99 5 99.5 GE 500 99.5 99.5 99.5 99.5 99.5 99.5 99,5 99.5 99.5 99.5 99.5 99.7 99.7 99.8 99.8 99.5 99.5 99.5 99.5 99.5 99.5 99.7 99.8 GE 400 99.5 99.5 99.5 99.5 99.5 99.7 99.8 99.5 300 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.7 99.7 99.8 99.2. GE 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.7 99.8 99. 99.5 99.5 99.7 200 99.5 99.5 99.5 GF 100 99.8 100 GE 99.5 99.5 99.5 GE 000 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.7 99.7 99.8 100

TOTAL NUMBER OF OBSERVATIONS 631

7

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: MAY HOURS: 06-08 CEILING. VISIBILITY IN STATUTE MILES GE GE GE GE GE GE GE GE GF IN 3 2 1/2 2 1 1/2 1 1/4 3/4 FEET 5/8 1/2 3/8 1/4 n 82.3 NO CEIL 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 **GE 20000** 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 GE 18000 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.4 91.4 91.4 91.4 GE 16000 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91 4 91.4 91.4 91.4 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 GE 14000 91.9 91.9 91.9 91.9 91.9 91.9 GE 12000 92.2 92.2 92.2 92.2 92 2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92.2 GE 10000 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 94.0 9000 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 GΕ 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 8000 95.1 95.1 95.1 95.1 95.1 95.1 GE 7000 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 GE 95.5 95.5 GE 6000 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 5000 96.3 96.3 96.3 96.3 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 GE 96.8 96.9 96.9 96.9 96.9 96.9 96.9 GE 4500 96.8 96.8 96.8 96.9 96.9 96.9 96.9 96.9 96.9 97.1 97.1 97.1 97.1 97.1 97.1 GE 4000 96.9 96.9 96.9 96.9 97.1 97.1 97.1 97.1 97.1 97.1 98.2 98.2 98.0 98.0 98.2 98.2 98.2 98.2 98.2 98.2 GE 3500 98.0 98.0 98.2 98.2 98.2 98.2 3000 98.9 98.6 98.8 98.8 98.9 98.9 98.9 98.9 98.9 98.9 98.0 OR R 98.9 98.9 99.1 2500 98.8 98.9 98.9 98.9 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 GΕ 2000 99.4 99.5 99.5 99.5 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.8 99.5 99.5 99.7 99.7 99.7 99.7 99.7 99.7 99.7 1800 99.4 99.5 99.7 99.8 99.8 99.8 99.8 GE 99.5 99.7 99.7 99.7 99.7 99.7 1500 99.4 99.5 99.7 99.7 99.7 99.8 99.8 99.5 99.8 99.8 GF 00 4 00 5 00 7 GE 1200 00 7 99.8 99.8 99.8 1000 99.4 99.5 99.5 99.5 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.8 GE 99.5 99.5 99.5 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 GE 900 99.4 99.8 99.5 99.5 99.7 99.7 99.7 99.7 800 99.4 99.5 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.8 GE 99.7 99.7 99.7 09.5 99.5 99.5 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 GE 700 99.4 99.8 99 R 90.8 99.8 GE 600 90 4 99.5 99.7 99. R 99.5 GE 500 99.4 99.5 99.5 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.8 99.7 99.8 99.5 99.5 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.8 GE 400 99.4 99.5 99.8 99.8 99.7 99.8 300 99.4 99.5 99.5 99.5 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 GE 99.7 200 99.4 99.5 99.5 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.8 100.0 99.5 99.8 100.0 GE 99.7 99.7 00 4 99.5 GE 100 99.8 100.0 100.0 000 99.4 99.5 99.5 99.5

TOTAL NUMBER OF OBSERVATIONS 651

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8 PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: MAY HOURS: 09-11

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CEI	CEILING VISIBILITY IN STATUTE MILES														•••••		
		۰.	C.E.	CE	ce	C.E						~=					
	N I	GE	GĒ	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FE	ET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
• • •		· · · · · · ·			• • • • • •			• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •		
		!															
NO	CEIL	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
	20000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
	18000		87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
	16000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GΕ	14000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE	12000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
		١															
	10000	,	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE	9000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE	8000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE	7000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE	6000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
		ì															
GE	5000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE	4500 İ	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE	4000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE	3500	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE	3000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	3000	77.1 	77.1	77.1	77.1	77.1	,,,,	77.1	77.1	,,,,	77.1	77.1	77.1	77.1	77.1	77.1	,,,,
GE	2500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	2000	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	1800	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	1500	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
				99.7	99.7	99.7	99.7			99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	1200	99.5	99.5	99.7	99.1	99.1	99.7	99.7	99.7	77.7	77.1	99.1	99.1	99.1	99.1	77.1	77.1
GE	1000	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE	9001	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
	800	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE	,																
GE	700		99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE	500	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
	,																
GE	400		99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE	300		99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE	200		99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
SE	100	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.:
]			~~ ~	•••	~~ ~			~~ ~	~~ ~	400.0	400.0	400 0	400 0	400 0	400
GE	000	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100

TOTAL NUMBER OF OBSERVATIONS 644

الهواد والزوار الدانية الراء فيعطر فيستطيعه بالمستقدمات

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: MAY HOURS: 12-14 VISIBILITY IN STATUTE MILES CEILING GE GE GE GE GE GE GE GE GE 1 N 1 1/2 1 1/4 2 1/2 2 1/2 3/8 3 1 3/4 5/8 0 FEET | 7 1/4 67.5 67.5 67.5 67.5 67.5 67.5 GE 20000 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 81.5 81.5 81.5 81.5 81.5 81.5 GE 18000 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 GE 16000 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 82.1 82.1 82.1 82.1 GE 14000 82.1 82.1 82.1 82.1 82.1 82.1 82.1 82.1 82.1 82.1 82,1 82.1 83.3 83.3 83.3 83.3 83.3 83.3 83.3 GE 12000 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.3 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 GE 10000 84.7 84.7 84.7 84.7 84.7 84.7 9000 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 GE GE 8000 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 85.2 85.2 85.2 85.2 85.2 85.2 7000 85.2 85.2 85.2 85.2 85.2 85.2 85.2 85.2 85.2 GE 85.2 GE 6000 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 88.2 93.9 93.9 5000 93.9 93.9 93.9 93.9 93.9 93.9 93.9 93.9 93.9 93.9 93.9 93.9 93.9 93.9 GF 94.3 4500 94.3 94.3 94.3 94.3 GE 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 GE 4000 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 GE 3500 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 99.0 99.0 3000 99.0 2500 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 99.5 99.7 99.5 99.7 99.5 99.7 99.5 99.7 99.5 99.7 99.5 99.7 99.5 99.7 99.5 99.7 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 2000 99.7 99.7 99.7 99.7 99.7 99.7 99.7 1800 GE 99.7 99.7 99.7 99.7 GE 1500 99.5 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE 1200 99.8 100.0 GE 1000 99.8 100.0 100.0 100.0 100.0 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 900 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 800 i 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 700 99.8 100.0 100.0 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1006 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 500 99.8 100.0 100.0 400 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 300 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 200 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 000| 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: MAY HOURS: 15-17 LST TO UTC: + 8 CEILING VISIBILITY IN STATUTE MILES IN GE GE GE GE GE GE GF GF GE 5 4 3 2 1/2 FFFT 6 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 0 NO CEIL Í 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 79.6 79.6 79.6 79.6 79.6 79.6 GE 20000 79.6 79.6 79.6 79.6 79.6 79.6 79.6 79.6 79.6 79.6 80.7 80.7 GE 18000 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 GE 16000 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 GE 14000 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 GF 12000 83.1 83.1 83.1 83.1 83.1 83.1 83 1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 GE 10000 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.8 GE 9000 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 8000 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 GE 86.8 GE 7000 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.3 GF 6000 89.1 89.1 89.1 89.1 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 GE 5000 95.7 95.7 95.7 95.7 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 GE 4500 96.0 96.0 96.0 96.0 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 GE 4000 98.2 98.2 98.2 98.2 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.7 3500 98.7 98.7 98.7 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 GE OR O 98.9 98.9 98.9 99.0 99.0 3000 98.9 98.9 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 GF 99.0 GE 2500 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 2000 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 99.8 99.8 1800 99.8 100.0 GE 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1500 99.8 99.8 100.0 100.0 100.0 100.0 100.0 GE 99.8 99.8 100.0 100.0 100.0 100.0 99.8 GE 1200 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1000 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 900 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 800 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.G 100.0 100.0 GE 700 99.8 100.0 100.0 100.0 100.0 100.0 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 600 100.0 100.0 100.0 500 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 **100.0 100.0 100.0** 99.8 99.8 100.0 400 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.6 GE 300 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 200 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.8 100.0 100.0 100.0 100.0 99.8 100.0 GE 100 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 000 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 623

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 LST TO UTC: + 8 MONTH: MAY HOURS: 18-20 VISIBILITY IN STATUTE MILES CEILING GE GE GE GE GE GE GE GE GE GE I N GE FEET 7 3 2 1/2 1 1/2 1 1/4 3/4 5/8 2 1 3/8 6 1/2 1/4 0 67.8 67.8 67.8 67.8 67.8 67.8 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 82.3 GE 20000 82.3 82.3 83.1 83.1 83.1 83.1 83.1 GE 18000 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 GE 16000 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.4 83.4 83.4 83.4 83.4 83.4 83.4 83.4 83.4 83.4 83.4 GE 14000 83.4 83.4 83,4 83.4 83.4 85.2 85.2 85.2 85.2 GE 12000 85.2 85.2 85.2 85.2 85.2 85.2 85.2 85.2 85.2 85.2 85.2 85.2 GE 10000 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 89.1 89.1 89.1 9000 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 ĢΕ GE 8000 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.7 90.7 90.7 90.7 90.7 90.7 90.7 7000 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 GE 93.2 6000 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 GF 96.7 96.7 GE 5000 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 GE 4500 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 GE 4000 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 GE 3500 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.2 99.2 99.2 99.2 GE 3000 00 2 00 2 99.2 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GΕ 2500 99.7 99.7 99.7 GE 2000 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 1800 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE 99.7 99.7 99.7 99.7 1500 i 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE GE 99.7 1200 99.8 99.8 99.7 99.7 99.8 99.7 99.7 99.7 99.8 99.8 99.8 100.0 100.0 100.0 100.0 GE 1000 99.7 99.8 GE 900 99.7 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 800 99.7 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 GE 99.8 99.8 99.8 99.7 99.7 99.7 99.8 99.8 99.8 100.0 100.0 100.0 GE 700 99.7 99.7 99.7 100.0 99.7 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 GE 600 99.7 99.8 99.8 99.8 99.8 100.0 99.7 99.8 99.8 100.0 100.0 GE 500 99.7 99.7 99.7 99.7 100.0 99.7 GE 400 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 99.8 GΕ 300 99.7 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 99.8 99.8 99.8 99.8 GE 200 99.7 99.7 99.7 99.7 99.7 99.7 99.8 99.8 100.0 100.0 100.0 100.0 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100 100.0 GE 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 99.7 GE 000 99.7 99.7 99.7 99.7 99.7

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: MAY HOURS: 21-23 CEILING VISIBILITY IN STATUTE MILES GE GE GE G۲ GE GE GE GE GE FEET 5 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 0 80.4 NO CEIL 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 GE 20000 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 91.3 91.3 GE 18000 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 GE 16000 91.3 GE 14000 91.3 91.3 91.3 91.3 91.3 91.3 91.3 GE 12000 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 GE 10000 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 GΕ 9000 94.9 94.9 94.9 94.9 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 GE 8000 95.6 95.6 95.6 95.6 95.6 95.6 GE 7000 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 6000 96.7 96.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 GE 5000 98.7 98.7 98.7 98.7 98,7 GE 4500 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 99.0 4000 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 GE 99.5 99.5 99.5 99,5 99.5 99.5 99.5 99.5 99.5 99.5 3500 99.5 99.5 99.5 99.5 99.5 99 5 GE 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 3000 99.5 99.5 GE 2500 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 2000 99.5 GE 1800 1500 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 99.5 99.5 99.5 99.5 GE 1200 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.8 99.8 100.0 100.0 100.0 GE 1000 99.5 100.0 900 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.8 99.8 100.0 100.0 100.0 100.0 GE 800 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.8 99.8 100.0 100.0 100.0 100.0 GE 99.5 99.5 99.5 99.8 99.8 GE 700 99.5 99.5 99.5 99.5 99.5 99.5 99.5 100.0 100.0 100.0 100.0 600 99.8 99.8 100.0 100.0 100.0 100.0 GE 99.5 99.5 99.8 100.0 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.8 100.0 500 100.0 100.0 GE 99.5 99.5 99.5 100.0 99.5 99.5 GE 400 99.5 99.5 99.5 99.5 99.5 99.8 99.8 100.0 100.0 100.0 99.5 99.5 GΕ 300 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.8 99.8 100.0 100.0 100.0 100.0 99.5 GE 200 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.8 99.8 100.0 100.0 100.0 100.0 99.5 99.8 100.0 GE 100 99.8 100.0 100.0 100.0 000 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.8 99.8 100.0 100.0 100.0 100.0 GE

TOTAL NUMBER OF OBSERVATIONS 612

4.4

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: MAY HOURS: ALL VISIBILITY IN STATUTE MILES CEILING GE GE GE GE GE GE GE GE IN 5 4 2 1/2 2 1 1/2 1 1/4 1 6 3 3/4 5/8 1/2 3/8 FEET 1/4 n 76.5 76.5 76.5 76.5 GE 20000 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 86.8 GE 18000 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 GE 16000 87.5 87.8 87.8 87.8 87.9 87.9 87.9 87.9 87.9 87.8 87.8 87.8 87.8 GE 14000 87.8 87.9 87.9 87.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 88.8 GE 120001 88.8 88.8 88.8 88.8 88.8 91.3 91.3 91.3 91.4 91.4 91.4 GE 10000 91.3 91.3 91.3 91.3 91.3 91.3 91.4 91.4 91.4 91.4 9000 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.5 91.5 91.5 91.5 GE 8000 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 GE 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 GE 7000 92.4 92.4 92.4 6000 93.7 93.7 93.7 93.7 93.7 93.7 96.5 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.5 96.5 96.5 GE 5000 96.4 96.4 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 GE 4500 96.7 96.7 97.9 97.9 97.9 97.8 97.8 97.9 97.9 97.9 97.9 97.8 97.9 97.9 97.9 97.9 97.9 GE 4000 97.8 GE 3500 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 3000 99.1 99.1 99.1 99.1 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 2500 99.4 99.4 99.4 99.4 99.5 99.6 99.7 99.6 99.7 99.6 99.6 99.6 99.6 99.6 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.6 99.6 GE 2000 99.6 99.6 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 1800 99.6 99.6 GE 99.7 99.6 99.6 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE 1500 99.6 99.6 99.8 99.8 99.6 99.8 99.8 1200 99.7 99.7 99.7 99.8 99.R 99.6 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.8 99.9 99.9 99.9 99.9 99.9 99.9 GE 1000 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.8 99.9 99.9 99.9 99.9 99.9 99.9 GE 900 99.6 99.8 99.8 99.9 99.9 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.9 99.9 99.9 99.9 800 99.6 GE 99.7 99.8 99.8 99.8 99.8 99,9 99.9 99.9 99.9 99.9 99.9 99.6 99.7 99.7 99.7 700 İ 99.7 GE 99.9 99.9 99.9 99.8 99.8 99.8 99.8 GE 600 99.6 99.7 99.7 99.7 99.7 99.7 99.9 500 99.6 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.8 99.9 99.9 99.9 100.0 100.0 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.8 99.9 99.9 99.9 99.9 100.0 100.0 GE 400 99.6 99.6 99.7 99.7 99.7 99.8 99.7 99.7 99.8 99.8 99.8 99.9 99.9 99.9 99.9 100.0 100.0 GΕ 300 99.8 99.6 99.7 99.7 99.7 99.7 99.7 99.8 99.8 99.8 99.9 99.9 99.9 99.9 100.0 100.0 200 GE 99.7 99.8 99.7 99.7 99.8 99.8 99.8 99.9 99.9 100.0 100.0 1001 99.6 99.7 GE GE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUN HOURS: 00-02 VISIBILITY IN STATUTE MILES CEILING GE GE GE IN GE GE GE GE GE GE GE 2 1/2 1 1/2 1 1/4 5 3 2 3/4 5/8 1 1/2 NO CEIL 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 92.5 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 GE 200001 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 GE 18000 95.6 95.6 95.6 95.6 GE 16000 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 GE 14000 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 GE 12000 96.0 **GE 10000** 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 9000 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 GE 98.0 98.0 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 GE 8000 98.9 98.9 98.9 98.9 98.9 98.9 98.9 7000 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 GΕ 98.9 98.9 GE 6000 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 99.5 99.5 99.5 5000 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 99.5 99.5 99.5 4500 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 99.5 99.5 99.5 99.5 99.5 GE 4000 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 3500 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 3000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 2500 100.0 GE GΕ 2000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1800 100.0 GE 1500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1200 100.0 100.0 100.0 100.0 1000 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 900 (100.0 GE GE 800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 700 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 600 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.6 500 (100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.4 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 400|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100. GE 300 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE GE 200 100.0 100 [100.0 000|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 546

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: JUN HOURS: 03-05

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	ILING	I 65	^=	CE	^=	CE		GE			-	CF.		05	-		
	IN	GE	GE	GE	GE	GE	GE		GE	GE	GE	GE	GE	GE	GE	GE	GE
F	EET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	. 1	3/4	5/8	1/2	3/8	1/4	0
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		l															
NO	CEIL	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
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GE	20000	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GF	18000	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
	16000	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
	14000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
	12000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
UE	12000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	90.1
C.E.	10000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
						97.6				97.6							
GE	9000		97.6	97.6	97.6		97.6	97.6	97.6		97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE	8000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE	7000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE	6000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
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GE	5000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	4500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	4000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	3500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	3000	1		,,,,,					,								
GE	2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0	100.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
			100.0	100.0	100.0	100.0	100.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0															
GE	1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1000	1100.0	100.0	100.0	100.0	100.0	100.0	100 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
							100.0		100.0		100.0	100.0	100.0	100.0			
GE		100.0	100.0	100.0	100.0	100.0									100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700	100.0	100.0	100.0	100.0	100.0	100.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		1															
GE	500	100.0	100.0	100.0	100.0	100.0		100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
		1													,		
GE	000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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TOTAL NUMBER OF OBSERVATIONS 583

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUN HOURS: 06-08 VISIBILITY IN STATUTE MILES CEILING 1 M GE GE GE GE GE GE GE GE 2 1/2 FEET 6 5 4 3 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 0 90.7 90.7 90.7 90.7 90.7 90.7 90.7 NO CEIL I 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 9n 7 95.2 95.2 GE 20000 95 2 95.2 GE 18000 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 GE 16000 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 95.2 GE 14000 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 96.1 GE 12000 96.1 96.1 96.1 96.1 96.1 96.1 GE 10000 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.2 98.2 98.2 98.7 98.2 98.7 98.2 98.2 98.2 98.2 onnn i 98.2 98.2 GE 98.2 98.2 98.2 98.2 98.2 98.2 98.7 98.7 98.7 98.7 98.7 98.7 98.7 GE 8000 98.7 98.7 98.7 98.7 98.7 98.7 98.7 99.5 99.5 7000 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 6000 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 50001 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 29.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 45001 99.8 99.8 99.8 99.8 GF 99.8 99.8 99.8 99.8 99.8 99.8 4000 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 GΕ 3500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 3000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 2500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GF 2000 100.0 1 GF GE 1500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 900 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GF 800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE GE 700 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 600 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 500 100.0 400 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 3001100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GF 200|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 000/100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 623

(4) カータルできょうが、これが原名がおかりの中の中華

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUN HOURS: 09-11

CE:	 ILING	• • • • • •			• • • • • •		VISIBI	LITY I	N STATU	E MILES	 S	•••••	• • • • • • •	• • • • • • •	• • • • • •	••••••	• • • • • •
	IN	l GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	EET	7	6	5	4	3	2 1/2		1 1/2	1 1/4		3/4	5/8	1/2	3/8	1/4	0
• • •		1															
NO	CEIL	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE	20000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE	18000		93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
	16000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
	14000		94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
	12000		95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95 0
-	,2000	, ,,,,	,,,,	,,,,	,,,,	/2.0	,,,,	,,,,	,,,,	,,,,	,,,,	,,,,		,,,,	,,,,	/5.0	,,
GF	10000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE	9000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE	8000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE	7000		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE	6000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GL	0000	1	,,,,	,,,,	,,.0	,,,,	,,,,	,,,,	,,	,,,,	,,,,	,,,,	,,,,	,,,,	,,,,	//.0	,,
GE	5000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	4500		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
	3000	1		,,,,,	,,,,,			,,,,,									
GE	2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GΕ	2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		1			,,,,,												
GΕ	500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GΕ	300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
		1									-					· · · · · ·	
GE	000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 624

也不是最高的**是一个人的一个人的**

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUN HOURS: 12-14

			LS	וט סד דו	C: + 8					MON	TH: JUN	HOU	RS: 12-	14		
CEILING	• • • • • •	• • • • • • •	• • • • • • •	•••••	•••••	VISIB	ILITY I	N STATU	TE MILE	: :S	•••••	• • • • • • •	• • • • • • •	• • • • • • •	•••••	• • • • • •
IN !	GE	GE	GE	G€	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	7	6	5	4	3	2 1/2	2	1 1/2	2 1 1/4	. 1	3/4	5/8	1/2	3/8	1/4	0
		• • • • • •	• • • • • •	• • • • • •				• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • •
NO CEIL	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	74.2	74.3
NO CETE	1 70.2	70.2	10.2	70.2	70.2	70.2	10.2	70.2	10.2	70.2	70.2	10.2	10.2	70.2	76.2	76.2
GE 20000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 18000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 16000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 14000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 12000	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 10000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 90001	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 8000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 7000		90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 6000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
]															 .
GE 5000		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4500	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4000	98.7 99.8	98.9 100.0	98.9 100.0	98.9 100.0	98.9 100.0	98.9 100.0	98.9 100.0	98.9 100.0	98.9 100.0	98.9 100.0	98.9 100.0	98.9 100.0	98.9 100.0	98.9 100.0	98.9 100.0	98.9 100.0
GE 3500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000]	77.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800		100.0	100.0	100.0	100.0			100.0			100.0	100.0	100.0	100.0	100.0	100.0
GE 1500		100.0							100.0			100.0			100.0	100.0
GE 1200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 10001	99.8	100.0	100 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 9001		100.0	100.0	100.0	100.0			100.0			100.0	100.0	100.0	100.0	100.0	100.0
GE 800		100.0		100.0					100.0			100.0	100.0	100.0	100.0	100.0
GE 700		100.0		100.0					100.0			100.0	100.0	100.0	100.0	100.0
GE 600	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5001	1	400.0	400.0	400.0	•••	400.0	400.0	100.0	400.0	100 0	100.0	100.0	100 0	100.0	100 0	100.0
GE 500		100.0	100.0						100.0				100.0	100.0	100.0	100.0
GE 400		100.0		100.0		100.0		100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0
GE 300		100.0			100.0				100.0				100.0	100.0	100.0	100.0
	99.8								100.0				100.0	100.0	100.0	100.0
100	ı			,00.0	.00.0											
GE 000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUN HOURS: 15-17 VISIBILITY IN STATUTE MILES CETI ING GF GE GΕ GE GE GE GE GE IN GE GE GΕ GE GE 5 3 2 1/2 2 1 1/2 1 1/4 FEET 6 4 1 3/4 5/8 1/2 3/8 NO CEIL 73.2 73.2 73.2 73.2 83.8 83.8 83.8 83.8 83 R 83.8 83.8 83 R 83 R 83.8 83.8 83.8 83.8 GE 20000 83.8 83.8 83.8 GE 18000 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 GE 16000 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 GE 14000 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 83.8 GE 12000 86.1 86.1 86.1 86.1 86.1 86.1 86.1 86.1 86.1 86.1 86.1 86.1 86.1 86.1 88.4 88.4 88.4 88.4 88.4 GE 10000 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 GE 9000 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 88.4 90.3 90.3 90.3 90.3 90.3 GE 8000 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 7000 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 GE 90.3 GΕ 6000 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 94.1 GΕ 5000 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 GF 4500 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 GE 4000 99.0 99.0 99.0 3500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 3000 100.0 GF 2500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 2000 | 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1800 | 100.0 100.0 100.0 100.0 100.0 100.0 1500 100.0 GE 1200 | 100.0 1000/100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 G€ 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 900 1100 .0 800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 700 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 600 1100 . 0 500 1100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 400 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 100. GE GE 200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 000/100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV MONTH: JUN HOURS: 18-20 LST TO UTC: + 8 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GE GE GE GE GE GE GE GΕ GE GE GE 3 2 1/2 2 1 1/2 1 1/4 FEET 4 1 3/4 5/8 1/2 3/8 1/4 0 NO CELL GE 20000 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 GE 18000 86.9 86.9 86.9 86.9 86.9 86.9 GE 16000 86.9 86.9 86.9 86.9 86.9 86.9 86,9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 GF 14000 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 88.6 GE 12000 88.6 88.6 88.6 88.6 88.6 88.6 88.6 88.6 88.6 88.6 88.6 88.6 88.6 88.6 88.6 GE 10000 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 9000 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 GE 91.3 91.3 91.3 91.3 93.3 93.3 93.3 GE 8000 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 7000 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 GE 93.3 93.3 GF 6000 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 97.6 97.6 97.6 97.6 97.6 97.6 97 A GE 5000 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 4500 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 GΕ 4000 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 GE 98.8 99.7 99.7 99.7 GE 3500 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 3000 100.0 100.0 100.0 100.0 100.0 100.0 GE 2500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 2000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1800 100.0 1 GE GE 1200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1000 100. 800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 700 100.0 10 GE GF 500|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 400|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 000|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUN HOURS: 21-23 VISIBILITY IN STATUTE MILES CEILING GE GE IN GE GE GE GE GE GE GF GF GE GE 2 1/2 2 1 1/2 1 1/4 FEET 5 4 3 1 3/4 5/8 1/2 3/8 1/4 NO CEIL | 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 94.7 94.7 94.7 94.7 GE 20000 i 94.7 GE 18000 94.7 94.7 94.7 94.7 94.7 94.7 94.7 GE 16000 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 GE 14000 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 GE 12000 95.7 95.7 95.7 95.7 97.1 GE 10000 | 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 9000 97.4 GĒ 97.8 97.8 8000 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 GF 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 7000 97.9 97.9 GE 97.9 GE 6000 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 5000 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 4500 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 GE 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 GE 4000 99.3 99.3 99.3 99.3 99.3 99.3 99.3 3500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 3000 100.0 100.0 100.0 100.0 GF 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 2500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 2000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1500 100.0 1 GE 1000|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 900 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 700 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 600 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GF 400 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 000/100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUN HOURS: ALL VISIBILITY IN STATUTE MILES CETLING GE GE GE GE GE GE GE GE GF IN 5 2 1/2 6 4 3 2 1 1/2 1 1/4 1 3/4 5/8 FFFT 1/2 3/8 1/4 84.1 84.1 84.1 84.1 84.1 84.1 91.3 91.3 91.3 91.3 GE 20000 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91 3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 GF 18000 i 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 GE 16000 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.5 GE 14000 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 GE 12000 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 GE 10000 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 GF 9000 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 8000 95.9 95.9 95.9 95.9 GE 7000 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 GE 96.0 96.0 96.0 96.0 96.0 97.4 97.4 97.4 97.4 97.4 97.4 97.4 GE 6000 97.4 97 4 97.4 97.4 97.4 97.4 97.4 97.4 GE 5000 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 4500 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 GE 4000 99.3 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 GE 99.4 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 GF 3500 99.9 99.9 GE 3000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 2500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 GE 2000 100.0 1800 100.0 100.0 100.0 GF 100.0 100.0 100.0 1500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE GE 1200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 10001100.0 GE 900 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 800 100.0 700 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 600 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 400 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE GE 100 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.: 000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 LST TO UTC: + 8 MONTH: JUL HOURS: 00-02 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GE GE 110 GF GF 2 1/2 1 1/2 1 1/4 7 5 4 3 2 1 3/4 5/8 1/2 6 3/8 FFET 1/4 n NO CEIL 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 GE 20000 90.5 90.5 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 GE 18000 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 GE 16000 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 GE 14000 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 **GE 12000** 93.8 93.8 93.8 93.8 93.8 GE 10000 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 9000 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 GE 94.7 94.7 94.7 GE 8000 95.8 7000 95.8 95.8 95.8 GE 6000 97.3 97.3 97.3 97.3 97.3 97.3 97.3 98.9 98.9 98.9 98.9 98.9 98.9 98.9 GE 5000 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 GE 4500 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 98.9 4000 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 3500 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 99.8 100.0 100.0 100.0 100.0 100.0 3000 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 2500 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 2000 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 100.0 1800 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 1500 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 1200 100.0 100.0 100.0 100.0 100.0 99.8 100.0 100.0 100.0 GE 1000 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 900 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 800 99.8 GE 700 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GF 90.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 600 90.8 GE 500 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 400 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.9 100.0 100.0 100.0 100.0 100.0 99.8 99.8 99.8 GΕ 300 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 200 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.8 100.0 100.0 GE 0001 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUL HOURS: 03-05 VISIBILITY IN STATUTE MILES CELLING GE GΕ GE GE GF GF GF GF GF GF GE 144 GE 2 2 1/2 1 1/2 1 1/4 1 1 7 5 4 3 3/4 5/8 FEET 6 1/2 3/8 1/4 Ú 85.7 85.7 85.7 85.7 85.7 85.7 85.7 85.7 85.7 85.7 85,7 85.7 85.7 85.7 89.6 89.6 89.6 89.6 GE 20000 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 90.3 90.3 90.3 GE 18000 90.3 GF 16000 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8 GE 14000 90.8 90.8 90.8 90.8 90.8 90.8 90.8 92.8 **GE 12000** 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 96.1 GE 10000 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.3 9000 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 GE 97.1 97.1 97.1 97.1 97.1 97.1 8000 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 CF 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 7000 97.1 97.1 GE 6000 99.1 GΕ 5000 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 4500 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 GE 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 4000 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 GE 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 3500 90.8 99.8 99.8 99.8 GE 100.0 GE 3000 1100 .0 100.0 GE 2500 1100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 2000 1100.0 100.0 100.0 100.0 100.0 100.0 GE 1800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 GE 1500 1100 0 100 0 100.0 100.0 100:0 100:0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1200 1100.0 100.0 100.0 100.0 1000 (100.0 GE 900 100.0 100.0 100.0 100.0 GF 800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 700 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 600 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 GE 400 1100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 200 | 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1001100.0 100.0 100.0 100.0 100.0 100.0 100.0 0001100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 587

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUL HOURS: 06-08

				LJ		· · ·					HON	n. JUL	HOOK	3: 00-0	0		
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	ILING	1 05	0.5	GE	GE	GE	GE	GE			-		-	-			
	IN	GE	GE						GE	GE	GE	GE	GE	GE	GE	GE	GE
F	EET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
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)															
NO	CEIL	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
		1															
GE	20000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE	18000	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE	16000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE	14000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE	12000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
		1												,	,		,
GE	10000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE		97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE			98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
				98.6	98.6	98.6	98.6	98.6	98.6		98.6		98.6				
GE			98.6							98.6		98.6		98.6	98.6	98.6	98.6
GE	6000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
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GE		,	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	4500		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE			99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	3500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		ì															
GE	2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0		100.0	100.0			100.0			100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0		100.0		100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0
GL	1200	100.0	100.0		100.0	100.0	100.0	100.0	100.0	,,,,,	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100 0	100.0	100.0	100.0	100.0	100.0	100.0
-			100.0		100.0	100.0	100.0		100.0		100.0	100.0	100.0	100.0			
GE		100.0													100.0	100.0	100.0
GΕ		100.0	100.0		100.0	100.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0			100.0	100.0	100.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		1															
GE	500	100.0	100.0		100.0	100.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	100.0	100.0	100.0	100.0	100.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		1												, •			
GE	0001	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	550			.00.0	.00.0	.00.0	.00.0			,00.0	.00.0	.00.0	.00.0	100.0	.00.0	.00.0	
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TOTAL NUMBER OF OBSERVATIONS 646

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUL HOURS: 09-11 CEILING VISIBILITY IN STATUTE MILES IN GF GF GE GE GE GE GE GE GE GE 2 1/2 1 1/2 1 1/4 5 4 3 2 3/4 FEET 1 5/8 1/2 3/8 1/4 0 NO CEIL | 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83 1 83 1 89.4 GE 20000 89.4 89.4 89.4 89.4 89.4 R9.4 89.4 89 4 8Q 4 RO 4 80 4 80 4 89.4 89 4 89 4 89.8 89.8 89.8 89.8 89.8 GE 18000 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 90.0 GE 16000 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 GE 14000 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 GE 12000 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 GE 10000 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 9000 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 GE 97.5 97.5 GF 8000 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 QR 1 98.1 7000 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 GE 98.3 98.3 98.3 98.3 98.3 98.3 98.3 GE 6000 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 GE 5000 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 GE 4500 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 GE 4000 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.7 99.7 3500 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE 100.0 100.0 100.0 100.0 GF 3000 100.0 100.0 100.0 100.0 100_0 100_0 100.0 100.0 100.0 100.0 100.0 100.0 GE 2500 1100 - 0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 2000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1800|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1200 100.0 190.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 900|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE GE 800 1100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 700 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 600 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 500/100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 400 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE GE 300 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 000|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 639

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 CEILING VISIBILITY IN STATUTE MILES GE GΕ GE GE GE GE GE GE GE GE GE GE IN 1 1/2 1 1/4 2 1/2 FEET 3/8 0 73.9 73.9 73.9 73.9 73.9 73.9 73.9 73.9 73.9 NO CEIL 73.9 73.9 73.9 73.9 73.9 73.9 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 GE 20000 84.0 84.3 84.3 84.3 84.3 84.3 84.3 84.3 GE 18000 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.3 84.6 GE 16000 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 85.4 85.4 85.4 85.4 GE 14000 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4 GE 12000 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 90.7 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 GE 10000 92.9 92.9 92.9 92.9 93.2 9000 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 8000 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 ĢΕ 7000 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 6000 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 5000 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 GF 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 GE 4500 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 99.7 99.7 GE 4000 i 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE 3500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 3000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 2500/100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 2000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1800 1100.0 100.0 100.0 ßE 1500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 900 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 700 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 600 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 500 100.0 100.0 400 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 100.0 200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUL HOURS: 15-17 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GE GE IN GE GE 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 FFFT 5/8 1/2 3/8 1/4 0 NO CEIL 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.6 81.9 GE 20000 81 9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 82.2 82.2 GE 18000 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 GE 16000 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 83.5 GE 14000 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 GE 12000 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 GE 10000 89.9 89.9 9000 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 GE 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 GE 8000 92.6 92.6 92.6 92.6 92.6 92.6 92.6 7000 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92 6 GE 96.2 96.2 GE 6000 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2 5000 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GΕ 4500 4000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 3500 1100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 3000 100.0 100.0 100.0 100.0 100.0 100.0 2500 1100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 2000 | 100.0 1800 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1200 100 0 100.0 100.0 100.0 GE 1000 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 900 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 700 1 100 . 0 100 . 0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 600 1 100.0 100.0 100.0 100.0 GE 100.0 GE 100.0 100.0 GE 300 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GF 100 100.0 100.0 100.0 100.0 100.0 100.0 100. 000|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 635

No. of the second

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: JUL HOURS: 18-20

				LS	1 10 01	L: + 0					MUNI	H: JUL	HUUK	3: 10-2	U		
CEILI	ING		•••••		• • • • • •	• • • • • •	VISIBI	LITY I	N STATU	TE MILES		•••••	• • • • • • •				•••••
IN FEE1	r	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE O
NO CE	:IL	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 20 GE 18 GE 16 GE 14 GE 12	3000 3000 3000	82.3 82.8 82.8 84.3 87.2	82.3 82.8 82.8 84.3 87.2	82.3 82.8 82.8 84.3 87.2	82.3 82.8 82.8 84.3 87.2	82.3 82.8 82.8 84.3 87.2	82.3 82.8 82.8 84.3 87.2	82.3 82.8 82.8 84.3 87.2	82.3 82.8 82.8 84.3 87.2	82.3 82.8 82.8 84.3 87.2	82.3 82.8 82.8 84.3 87.2	82.3 82.8 82.8 84.3 87.2	82.3 82.8 82.8 84.3 87.2	82.3 82.8 82.8 84.3 87.2	82.3 82.8 82.8 84.3 87.2	82.3 82.8 82.8 84.3 87.2	82.3 82.8 82.8 84.3 87.2
GE 10 GE 9 GE 8 GE 7	0000 0000 3000 0000	91.4	89.9 90.5 91.4 91.9 95.1	89.9 90.5 91.4 91.9 95.1	89.9 90.5 91.4 91.9 95.1	89.9 90.5 91.4 91.9 95.1	89.9 90.5 91.4 91.9 95.1	89.9 90.5 91.4 91.9 95.1	89.9 90.5 91.4 91.9 95.1	89.9 90.5 91.4 91.9 95.1	89.9 90.5 91.4 91.9 95.1	89.9 90.5 91.4 91.9 95.1	89.9 90.5 91.4 91.9 95.1	89.9 90.5 91.4 91.9 95.1	89.9 90.5 91.4 91.9 95.1	89.9 90.5 91.4 91.9 95.1	89.9 90.5 91.4 91.9 95.1
GE 4 GE 4 GE 3	000 500 500 500	98.6 99.8	98.6 98.6 99.8 99.8 99.8	98.6 98.6 100.0 100.0 100.0	98.6 98.6 100.0 100.0 100.0	98.6 98.6 100.0 100.0 100.0	98.6 98.6 100.0 100.0 100.0	98.6 98.6 100.0 100.0 100.0	100.0		98.6 98.6 100.0 100.0 100.0	98.6 98.6 100.0 100.0 100.0	98.6 98.6 100.0 100.0	98.6 98.6 100.0 100.0 100.0	98.6 98.6 100.0 100.0 100.0	98.6 98.6 100.0 100.0	98.6 98.6 100.0 100.0
GE 2 GE 1 GE 1	500 000 800 500 200		99.8 99.8 99.8 99.8 99.8	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0		100.0 100.0	100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0	100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0		100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
GE GE GE	900 800	99.8 99.8 99.8 99.8 99.8	99.8 99.8 99.8 99.8 99.8	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0	100.0 100.0	100.0 100.0 100.0	100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
GE GE GE	400 300 200	99.8	99.8 99.8 99.8 99.8 99.8	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0		100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0	100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
GE	000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUL HOURS: 21-23 CEILING VISIBILITY IN STATUTE MILES GΕ GE GE I N GF GF GF GF GE GE GE GE CE 2 1/2 4 3 2 1 1/2 1 1/4 FEET 1 3/4 5/8 1/2 3/8 1/4 0 NO CEIL 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 GE 20000 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 GE 18000 87.8 GE 16000 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 GE 14000 88.9 88.9 88.9 88.9 88.9 88.9 88,9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 88.9 91.8 GE 12000 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8 GE 10000 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.3 94.3 9000 4.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 GE 94.3 95.4 95.4 95.4 95.4 95.4 8000 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 GE 95.4 95.4 95.4 95.4 95.4 95.4 95.4 GE 7000 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 6000 97.4 99.0 GE 5000 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 4500 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 GE 100.0 4000 1100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 3500 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE GE 3000 | 100.0 GE 2500 1100 . 0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 2000 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 1800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 GE 1500 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1000 | 100.0 900 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE GF 800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 700 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 GE 600 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 500 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100. GE GE 400 | 100 . 0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100. GE 100.0 100.0 200 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.4 100 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 000|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 584

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUL HOURS: ALL

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CE	ILING		^-	^-		05			N STATUI			05	or				
	IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
F	EET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
٠.	• • • • •		• • • • • •	• • • • • •	• • • • • •	• • • • • •		• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	
]															
NO	CEIL	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
		i															
GE	20000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE	18000	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GΕ	16000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE	14000	i 87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE	12000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
		i															
GE	10000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE		95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE			95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE			97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE	6000	77.2	71.2	71.6	71.6	71.2	71.6	71.2	71.6	71.2	71.6	71.2	71.2	71.2	71.2	71.6	71.6
GE	5000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE			99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
						99.9							99.9				
GE			99.8	99.9	99.9		99.9	99.9	99.9	99.9	99.9	99.9		99.9	99.9	99.9	99.9
GE	3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	25.00	1400 0	400.0	400.0	400.0	400.0	400.0	400.0	100.0	400.0	400 0	400.0	100 0	400.0	400.0	100.0	400.0
GE		100.0	100.0		100.0	100.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0
GΕ		100.0	100.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GΕ		100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		l															
GE	1000	100.0	100.0				100.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0
GE	900	100.0	100.0	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700 Ì	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		1															
GE	5001	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.L	.50	1	.00.0	.00.0		.00.0											
GE	ດດດາ	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.			,,,,,,														
									• •								

TOTAL NUMBER OF OBSERVATIONS 4847

"松林心" 为特许不是的经验的

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: AUG HOURS: 00-02

				LJ	1 10 0	10 0					rion	111. AUC	i ilooi	NS. 00-	ŲŽ		
CEILI		• • • • • •	•••••		•••••		VISIB	ILITY I	N STATU	TE MILE	S	•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••
IN	- 1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	· i	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
	;				• • • • • •						• • • • • •					· • • • • • • •	
NO CE	. 1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
NO CE	1	07.1	07.1	01.1	07.1	01.1	07.1	0	0	0	0,.,	0	0,.,	0,.,	07.1	0,.,	07.1
GE 20		90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 18		90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 16		90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 14		90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 12	000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 10	000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
	000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
	000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
	000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
		97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
	1	,,,,														-	_
GE 51	000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4!	500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 41	000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 3!	500 i	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 30	000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
)																
		99.8	99.8	99.8	99.8	100.0	100.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0
	000	99.8	99.8	99.8	99.8	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 18	B00	99.8	99.8	99.8	99.8	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0
	500	99.8	99.8	99.8	99.8	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 12	200 Ì	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 10	1 000	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	900	99.8	99.8	99.8	99.8	100.0			100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0
		99.8	99.8	99.8	99.8	100.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
	700 i	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
		99.8	99.8	99.8	99.8	100.0		100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GL (1	,,.0	,,,,	,,,,	,,,,	,,,,,							,,,,,,				10010
		99.8	99.8	99.8	99.8	100.0				100.0			100.0			100.0	
		99.8	99.8	99.8	99.8	100.0		100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0
	300 J	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0
GE 2		99.8	99.8	99.8	99.8	100.0				100.0		100.0	100.0	100.0	100.0	100.0	100.0
GE '	100	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE (ן החח	99.8	99.8	99.8	90 A	100 0	100.0	100 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE (000	,,.0	77.0	77.0	77.0	,00.0	.00.0	.00.0									,

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8 PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: AUG HOURS: 03-05

				LS	10 01	u: + 8					MUN	IH: AUG	HUUK	S: U3-U	כי		
CEIL		l GE	GE	GE	GE	GE	VISIBII	.ITY II	STATUT	E MILES GE	GE	GE	GE	GE	GE	GE	GE
FEE		7	6	5	4	3	2 1/2	2		1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
		07.7	07.7	07 7	07 7	87.7	07 7	07 7	87.7	07 7	87.7	07 0	07 0	07 0	07.0	07.0	07.0
NO C	FIL	87.7	87.7	87.7	87.7		87.7	87.7		87.7		87.8	87.8	87.8	87.8	87.8	87.8
GE 2		90.5	90.5 90.7	90.5 90.7	90.5 90.7	90.5 90.7	90.5 90.7	90.5 90.7	90.5 90.7	90.5 90.7	90.5 90.7	90.7 90.8	90.7 90.8	90.7 90.8	90.7 90.8	90.7	90.7 90.8
GE 1		90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8 90.8	90.8
GE 1		91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3
GE 1		93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5
GE 1	0000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2
GE (9000 j	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2
GE I	8000 j	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7
	7000 j		97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2
GE (6000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97. 2
GE !	5000 l	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 4	4500 j	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 4	4000 j	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6
	3500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 3	3000	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 2	2500	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
	2000 j	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
	1800	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
	1500	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 1	1200	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE '	1000	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE	900	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE	800	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE	700	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE	500	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE	400		99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0			100.0	100.0	100.0
GE	300	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE	000	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
	• • • • •			• • • • • •	• • • • •	• • • • • •			• • • • • • •					• • • • • • •		• • • • • •	• • • • • •

TOTAL NUMBER OF OBSERVATIONS 632

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: AUG HOURS: 06-08

CEILING VISIBILITY IN STATUTE MILES

					. ,	· · ·					HON	in. Aug	nook	3; 00-0	0		
CE	LING		•••••		• • • • • • •	• • • • • • •	VISIBI	LITY I	N STATUI	E MILES	· · · · · · · · · · · · · · · · · · ·			• • • • • • •	•••••	• • • • • • •	• • • • • •
	IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	G€	GE
	ET	7	6	5	4	3	2 1/2	2		1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
		, , 			<i>.</i>						[•]	۵, ٦	2,0	172	3/0	1/4	U
• •		i								• • • • • • • •				•••••	• • • • • • •	• • • • • • •	• • • • • •
NO	CEIL	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.4
		}							0			0,	٠,	07.2	07.2	07.2	07.4
GF	20000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.2
	18000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.5
-	16000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	
	14000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6					90.5
	12000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6			90.6	90.6	90.6	90.6	90.8
GE	12000	72.0	76.0	72.0	72.0	72.0	72.0	72.0	72.0	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.8
CE.	10000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	0/. 4	0/. 4	0/ 4	0/ 4	0/ /	o, ,	~ .	0/ 0
GE	9000	94.6	94.6	94.6	94.6	94.6	94.6	94.6		94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.8
									94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.8
GE	8000		95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.7
GE	7000		95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.0
GE	6000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3
		l															
GE	5000		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5
GE	4500	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5
GΕ	4000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
GE	3500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6
GE	3000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
		ļ															
GE	2500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
GE	2000 i	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
GE	1800	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
GE	1500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
GE	1200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
	.200	1		,,,,									,,,,	,,,,	,,,,	,,,,	,,.,
GE	1000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE	900		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
ĞĒ	800		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE	700		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE	600	–	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8				
GE	9001	77.0	77.0	77.0	99.0	77.0	99.0	77.0	77.0	77.0	77.0	99.0	77.0	99.8	99.8	99.8	100.0
GE	500	99.8	99.8	99.8	99.8	99,8	99.8	99.8	99.8	99.8	99,8	99.8	99.8	00.0	00.0	00.6	100 0
														99.8	99.8	99.8	100.0
GE	400		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE	300	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE	500		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE	100	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
	اعمدا																
GE	000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 650

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: AUG HOURS: 09-11 VISIBILITY IN STATUTE MILES CEILING GΕ GE GE GE GE GE GE GE GE IN GΕ 5 3 2 1/2 2 1 1/2 1 1/4 3/4 5/8 FEET 6 4 1 1/2 3/8 1/4 0 84.6 84.6 NO CELL I 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84.6 84 6 84.6 89 0 80 0 89.0 89.0 80 0 89.0 89.0 89.0 89.0 GE 20000 RO N 89.0 RQ. N 80.0 89.0 89.0 89.0 GE 18000 89.0 GE 16000 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.2 89.2 89.2 GE 14000 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 91.2 GE 12000 91.2 91.2 91.2 91.2 91.2 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93,7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 GE 10000 9000 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 GΕ GE 8000 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.4 94.8 94.8 94.8 94.8 94.8 94.8 GE 7000 94.8 94.8 94.8 94.8 94.8 94.8 94.8 94.8 94.8 94.8 6000 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 GE 5000 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 GE 4500 97.2 97.2 97.2 97.2 97.2 97.2 97.2 GE 4000 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 3500 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 GE 99.2 99.2 99.2 99.2 99.2 99.2 3000 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE 2500 99.7 2000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 GE 1800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1500|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 10001100.0 100 0 100.0 100.0 100.0 100.0 900 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 800 100.0 100.0 100.0 GE GE 700 1 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 600 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 400 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 300 1 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 200 100.0 100 1100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 648

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000/100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

CEILI	NG						A1210			HE WILE							
NI	- 1	GE	GΕ	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	i	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	. 1	3/4	5/8	1/2	3/8	1/4	0
FEET	,	•	U	•	-	,	£ 1/2		1 1/6	. , ,,,,	•	3/4	3/0	1/2	3/0	1/4	U
• • • • •	••••	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	•••••	• • • • • • •	• • • • • • •		• • • • • • •	• • • • • •	•••••	• • • • • • •	• • • • • • • •	•••••	• • • • • • •	• • • • •
)				75 A	 ^	 -	75 0	~ ^	70 0	 ^	A	 -	 -			
NO CE	ווו	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
	- 1																
GE 200	000 i	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 18	nnn	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 16		82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 14		83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 12	000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
	- 1																
GE 10	000	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 91	000 i	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
		91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
		92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
											94.2						
GE 60	000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
	ł																
GE 50	000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 45	500 i	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 40	iood	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
		98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
		99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
UE 31	,	77.J	77.3	77.1	77.1	77.0	77.0	77.0	,,,,	,,	,,,,	77.0	77.0	77.0	77.0	77.0	77.0
ac 30	-00!	00 E	00 E	00.7	~~ 7	~ •	00.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
		99.5	99.5	99.7	99.7	99.8	99.8										
		99.5	99.7	99.8	99.8	100.0	100.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 18	300 j	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 15	500 i -	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 12	200	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	-00		.,	,,,,		,,,,,											
GE 10	0001	00 5	99.7	99.8	99.8	100 0	100 0	100 O	100 0	100.0	100.0	100 0	100 0	100.0	100 0	100.0	100.0
														100.0			
	200		99.7	99.8	99.8					100.0						100.0	100.0
		99.5	99.7	99.8	99.8	100.0				100.0			100.0		100.0	100.0	100.0
GE 7	700	99.5	99.7	99.8	99.8	100.0	100.0			100.0			100.0	100.0	100.0	100.0	100.0
GE 6	500	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	'n																
GE S	5001	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	00		99.7	99.8	99.8					100.0					100.0	100.0	100.0
													100.0	100.0	100.0		100.0
	300		99.7	99.8	99.8	100.0				100.0						100.0	
		99.5	99.7	99.8	99.8	100.0	100.0		100.0	100.0			100.0	100.0	100.0	100.0	100.0
GE 1	100	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Ĭ																
GE (000 l	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100,0	100.0	100.0	100.0
'																	

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: AUG HOURS: 15-17

				£3	וט טו זו	L: + 0					HON	In: AUG	HOUK	9: 12-1			
CE	LING	• • • • • •					VISIBI	LITY I	N STATU	TE MILE	• • • • • • • • • • • • • • • • • • •	• • • • • • •		•••••	• • • • • • •	• • • • • • •	•••••
	IN .	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	ET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	. 1	3/4	5/8	1/2	3/8	1/4	Ō
	• • • • •														• • • • • • •	• • • • • • •	
		J		 .									.			_	
NO	CEIL	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE	20000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE	18000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE	16000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE	14000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE	12000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GF	10000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE	9000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE	8000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE	7000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE	6000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE	5000	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE	4500	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE	4000	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	3500	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	3000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	2500 (99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	2000		100.0	100.0	100.0	100.0			100.0		100.0		100.0	100.0	100.0	100.0	100.0
GE	1800		100.0	100.0	100.0	100.0			100.0				100.0	100.0	100.0	100.0	100.0
GE	1500		100.0		100.0	100.0			100.0				100.0	100.0	100.0	100.0	100.0
GE	1200		100.0	100.0	100.0	100.0			100.0				100.0	100.0	100.0	100.0	100.0
-	.200	1															
GE	1000	99.8	100.0	100.0					100.0				100.0	100.0	100.0	100.0	100.0
GE	900	99.8	100.0			100.0			100.0			100.0	100.0	100.0	100.0	100.0	100.0
GΕ	800	99.8	100.0	100.0	100.0					100.0		100.0	100.0	100.0	100.0	100.0	100.0
ĢΕ	700	99.8	100.0		100.0				100.0				100.0	100.0	100.0	100.0	100.0
GE	600	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	5001	 e	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	,		100.0		100.0	100.0			100.0				100.0	100.0	100.0	100.0	100.0 100.0
GE		99.8	100.0	100.0	100.0	100.0			100.0			100.0	100.0	100.0	100.0	100.0	100.0
GE GE			100.0		100.0				100.0				100.0	100.0	100.0	100.0	100.0
GE		99.8							100.0				100.0	100.0	100.0	100.0	100.0
UE	וטטו	77 .0 	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	0001	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		• • • • • •															

TOTAL NUMBER OF OBSERVATIONS 650

, 500

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: AUG HOURS: 18-20 VISIBILITY IN STATUTE MILES CEILING GE GE 1 1/2 1 1/4 GE GE GF GE GE GE GE GE IN FEET GE GF 2 1/2 5/8 5 4 3 2 1 3/4 1/2 3/8 1/4 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 GE 20000 81.1 81.1 81.1 GE 18000 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 GE 16000 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 81.1 82.0 GE 14000| 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 87.7 87.7 GE 12000 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 GΕ 10000 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 GE 9000 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 91.7 GF 8000 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 GE 7000 92.6 92.6 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 97.1 GE 6000 97.1 97.1 98.1 98.1 GE 5000 98.1 GE 4500 98.1 98.1 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 4000 99.0 99.0 99.0 99.0 99.0 GE 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 GF 3500 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GF 3000 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE 2500 99.7 99.8 GE 2000 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 GE 1800 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1500 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1200 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.8 100.0 100.0 100.0 GE 1000 100.0 100.0 100.0 100.0 GE 900 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 800 99.8 GE 700 99.8 99.8 100.0 GE 600 100.0 100.0 100.0 5001 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.8 100.0 100.0 100.0 100.0 100.0 100.0 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 400 i 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.8 100.0 100.0 GE 300 l GΕ 200 i 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 000| 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE

TOTAL NUMBER OF OBSERVATIONS 593

 $(y_{k}) = y_{k}(y_{k}) + y_{k}(y_{$

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 LST TO UTC: + 8 MONTH: AUG HOURS: 21-23 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GE GE GE GE GE GE IN GF GE 2 1/2 1 1/2 1 1/4 6 4 3 1 3/4 5/8 1/2 3/8 FEET 1/4 Ω NO CEIL 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 GE 20000 86.5 GE 18000 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 GE 16000 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.6 GE 14000 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6 86.6 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 GE 12000 89.7 89.7 89.7 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 GE 10000 93.0 93.0 93.0 93.0 93.0 93.0 9000 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 GE 93.0 93.0 93.2 93.2 GE 8000 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 93.2 7000 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 GE 93.5 6000 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 96.6 GF 96.6 96.6 96.6 96.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 GE 5000 97.6 97.6 97.6 97.6 97.6 97.6 GE 4500 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 GE 4000 98.1 98.1 98.1 98.1 98.1 98.6 3500 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 3000 100.0 GE 2500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 2000 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 1500|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1200 1100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1000 1100.0 100.0 100.0 100.0 GE 900 100.0 GE 700 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 600 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 500 1100.0 100.0 100.0 100.0 100.0 100.0 100.0 400 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 ĠΕ 300 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 200 | 100 . 0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100 100.0 GF 000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 584

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: AUG HOURS: ALL LST TO UTC: + 8 CEILING VISIBILITY IN STATUTE MILES GE GΕ GE GE GE GE GE GΕ GE 1 1/2 1 1/4 3 2 1/2 2 1 3/4 1/2 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 81.4 NO CEIL Í 81.4 81.4 81 4 81.4 81.4 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 **GE 20000** 86.5 86.5 86.5 86.5 86.5 86.5 86.5 GE 18000 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.6 GE 16000 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.6 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 GE 14000 87.1 87.1 87.1 87.1 GE 12000 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.2 90.3 90.3 90.3 90.3 90.3 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 GE 10000 93.1 93.1 GE 9000 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 ĢΕ 8000 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 93.8 94.3 94.3 94.3 94.3 7000 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 GE 94.3 96.3 GE 6000 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.6 ĠΕ 5000 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.6 GE 4500 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5 4000 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.3 98.3 98.3 98.3 98.3 98.3 3500 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.6 98.6 98.6 98.6 98.6 98.6 ĢΕ GE 3000 99.7 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.9 GΕ 2500 00 7 99.8 99.8 99.9 99.9 99.8 99.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.8 99.9 99.9 GE 2000 99.8 99.9 99.9 99.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 GE 1800 99.8 99.8 99.8 99.8 GE 1500 99.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 100.0 99.9 99.9 99.9 GE 1200 99.9 99.9 99.9 99.9 99.9 99.9 99.9 100.0 99.8 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1000 99.8 99.8 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 100.0 100.0 100.0 100.0 100.0 GE 900 GE 800 99.8 99.8 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 ЗE 700 99.8 99.8 99.9 99.9 100.0 600 100.0 100.0 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 500 99.8 90.0 GE 400 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.8 99.8 GΕ 300 99.8 99.8 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 200 99.9 GE 99.8 99.8 99.9 100.0 100 000| 99.8 99.8 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GF

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: SEP HOURS: 00-02

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	ILING								N STATUT								
	IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
F	EET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
		i															
NO	CEIL	91.4	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
		ì															
GF	20000	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
	18000	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
	16000	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
	14000	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
				98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	12000	98.1	98.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	90.0
				00.4	~~ .	00.4	00.4		~ ·	00.4	00.4	00.4	00.4	~ 4	00.4	^^ 1	
	10000	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	9000	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	8000	98.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE	7000	98.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE	6000	98.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
		ĺ															
GE	5000	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	4500	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	4000	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	3500	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	3000	99.3	99.5	100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	2000	77.3	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	25001	00.7	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		99.3															
GE	2000	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1800	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1500	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1200	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GΕ	1000	99.3	99.5	100.0	100.0	100.0		100.0				100.0	100.0	100.0	100.0	100.0	100.0
GE	900	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GΕ	800	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700 i	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
-	000	1						,,,,,	,,,,,,								
GΕ	5001	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
	300			100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE			99.5														
GE		99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		l															
GE	000	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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TOTAL NUMBER OF OBSERVATIONS 573

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: SEP HOURS: 03-05 CEILING VISIBILITY IN STATUTE MILES GE 2 GF GE GE GE GE GE GΕ GE GE GF IN GF GE FEET 1 1/2 1 1/4 2 1/2 5 4 3 6 1 3/4 5/8 1/2 3/8 1/4 0 NO CEIL 90.9 90.9 91.5 93.8 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 GE 20000 93.8 94.5 94.5 94.5 94.5 94.5 94.5 93.8 94.5 94.5 94.5 94.5 94.5 94.5 GE 18000 93.8 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 GE 16000 93.8 93.8 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.6 GE 14000 94.0 94.0 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 95.6 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 GE 12000 95.6 96.3 96.3 96.3 96.3 96.3 96.3 98.0 98.7 98.7 98.7 98.7 98.0 98.7 98.7 98.7 98.7 98.7 98.7 GE 10000 98.7 98.7 98.7 98.7 98.7 9000 98.0 98.0 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 GE 8000 98.0 98.0 98.7 GΕ 7000 98.0 98.0 98.7 98.7 98.7 98.7 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 6000 98.5 98.5 99.2 99.2 GE 5000 99.0 99.0 99.7 99.0 99.0 99.7 99.7 99.7 99.7 99.7 99.7 99.7 GE 4500 99.3 99.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 4000 GE 3500 99.3 99.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 3000 i 99.3 100.0 GE 25001 99.3 99.3 100.0 100.0 100.0 100.0 100.0 2000 99.3 99.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1800 99.3 99.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GF 99.3 100.0 1 99.3 1500 GF GE 1200 99.3 1000 99.3 99.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 900 99.3 99.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 800 99.3 99.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 700 ĺ 99.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 6001 99.3 99.3 100.0 99.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 5001 99.3 400 İ 99.3 99.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.3 99.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 300 i 200 Í 99.3 99.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100 l GE 000| 99.3 99.3 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE

TOTAL NUMBER OF OBSERVATIONS 615

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: SEP HOURS: 06-08

CEILING VISIBILITY IN STATUTE MILES

				LJ		· · ·				MONTR. SEP HOURS. 50-05							
CEILING VISIBILITY IN STATUTE MILES															• • • • • •		
		1 65	C.E.	CE	GE	CE.		GE	GE		-	^ E			05	0.5	
	1 N	GE	GE	GE		GE	GE			GE	GE	GE	GE	GE	GE	GE	GE
F	EET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
						• • • • • •		• • • • •	• • • • • • • •	• • • • • •		• • • • • •			• • • • • • •		
		ļ															
NO	CEIL	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
		}															
ĢΕ	20000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE	18000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GF	16000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
	14000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
	12000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
ĢE	12000	, ,,,	73.1	93.1	77.1	73.1	7,7.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
~=	10000		00 1	98.1	00.1	00.1	00 1	00 1	00.1	00.4	00.1	00.4	00.4	00.4	00.4	00.4	00.4
	10000	98.1	98.1		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE	9000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE	8000		98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE	7000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE	6000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
		ì															
GE	5000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	4500		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
				99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	-		
GE		99.8	99.8												99.8	99.8	99.8
GE	3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		J															
GE		100.0	100.0				100.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0
GE	2000	100.0		100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0
	,	1															
GE	1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0
						100.0		100.0									
GE		100.0		100.0	100.0						100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0		100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0
GΕ	600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		ļ															
GE	500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400 i	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GΕ		100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0		100.0	100.0		100.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0
GΕ	100	1	,00.0	,00.0	,00.0	.00.0	.00.0	.00.0	,,,,,,	100.0	.00.0	,00.0	100.0	,00.0	100.0	100.0	100.0
	000	100 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
• •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST YO UTC: + 8 MONTH: SEP HOURS: 09-11

				LS	וט סז ד	C: + 8					MON	TH: SEP	HOU	RS: 09-	11		
CEILING VISIBILITY IN STATUTE MILES															• • • • • •		
	N I	GE	GE	GE	GE	GE	GE	GE	N SIAIL	GE MILE	.s GE	GE	GE	GE	GE	GE	GE
	ET	7	6	5	4	3	2 1/2		1 1/2			3/4	5/8	1/2	3/8	1/4	0
• • •										• • • • • • •	• • • • • •			• • • • • • •			
							07.					/					
NO	CEIL	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE	20000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE	18000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE	16000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE	14000	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE	12000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE	10000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.L	96.6	96.6
GE	9000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE	8000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE	7000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE	6000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE	5000	 98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE	4500		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE	4000		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	25001	100.0	100.0	100.0	100.0	100.0	100 0	100.0	100 0	100.0	100.0	100 0	100 0	100.0	100.0	100.0	100.0
GE		100.0			100.0					100.0			100.0	100.0	100.0	100.0	100.0
GE		100.0			100.0				100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		100.0			100.0					100.0					100.0	100.0	100.0
GE		100.0								100.0			100.0	100.0	100.0	100.0	100.0
-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										,,,,,,			,0000	10010		
GE	1000	100.0		100.0			100.0					100.0	100.0		100.0	100.0	100.0
GE		100.0			100.0		100.0				100.0		100.0	100.0	100.0	100.0	100.0
GE		100.0								100.0			100.0	100.0	100.0	100.0	100.0
GE		100.0		100.0						100.0			100.0		100.0	100.0	100.0
GE	600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300 j	100.0			100.0				100.0			100.0	100.0	100.0	100.0	100.0	100.0
GE	200	100.0								100.0			100.0		100.0	100.0	100.0
GE	100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	0001	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8 MONTH: SEP HOURS: 12-14 VISIBILITY IN STATUTE MILES CETL!NG IN FEET GE GE GE GE GE GE GE GE GE 2 2 1/2 1 1/2 1 1/4 1 1/2 3/8 84.0 84.0 84.0 84.0 84.0 84.0 89.4 89.4 89.4 89.4 GE 20000 89.4 89.4 89.4 89.4 89.4 89.4 89.4 GE 18000 89.8 GE 16000 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 GE 14000 90.6 90.6 90.6 90.6 93.3 93.3 93.3 93.3 93.3 GE 12000 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 GE 10000 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 9000 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 GE 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 8000 95.0 95.0 GF 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 GE 7000 95.0 95.0 95.0 95.0 95.0 95.0 GE 6000 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 95.4 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 GE 5000 98.2 4500 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 GE 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 4000 99.5 99.5 99.5 99.5 3500 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 99.5 100.0 GE 3000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100_0 100_0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 2500 100.0 100.0 100.0 100.0 100.0 100.0 GF 2000 1 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 1500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1200 100.0 100.0 100.0 100.0 100.0 100.0 1000 1100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 900 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 700 1100.0 GE 100.0 100.0 GE 600 100.0 500 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 400 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GF 200 | 100.0 100|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 000/100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: SEP HOURS: 15-17

				LJ		U U					MON	III. SEF	nooi	K3. 13-	17		
CEILING VISIBILITY IN STATUTE MILES															•••••		
1	N	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FE	ET Ì	7	6	5	4	3	2 1/2	2	1 1/2	2 1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
						• • • • • •				• • • • • • •		• • • • • • •	• • • • • •	• • • • • • •			
	ceti l	 83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	07 F
NU	CEIL	63.5 	63.7	63.5	63.5	63.5	03.7	03.5	05.5	03.5	03.7	65.7	03.5	63.5	05.5	63.5	83.5
GE	20000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE	18000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE	16000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE	14000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE	12000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE	10000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE	9000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE	8000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE	7000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE	6000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GL	0000	1	,0.,	,,	,	,,	,0.,	,,,,	,0.,	,	,,,,	,	,,,,	,0.,	,,,,	,0.,	,,,,
GE	5000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE	4500 i	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE	4000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE	3500 i	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE	3000	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
	25001	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE						99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	2000	99.8	99.8	99.8	99.8		99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE	1800	99.8	99.8	99.8	99.8	99.8		100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0
GE	1500		99.8	99.8	99.8	99.8	99.8										
GE	1200	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1000	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	900	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	800	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE	5001	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100 0	100.0	100.0	100.0	100.0
GE				99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	99.8	99.8			99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300		99.8	99.8	99.8				100.0	100.0		100.0	100.0	100.0	100.0		
GE	200		99.8	99.8	99.8	99.8	99.8	100.0			100.0					100.0	100.0
GE	100	99.8 I	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1000	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 612

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: SEP HOURS: 18-20

				LS	T TO UT	C: + 8					MON	TH: SEP	HOUR	S: 18-2	0		
CEILING VISIBILITY IN STATUTE MILES																	
	IN	i GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	ET	7	6	5	4	3	2 1/2		1 1/2			3/4	5/8	1/2	3/8	1/4	0
														•••••			
		l								•• -							
NO	CEIL	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE	20000	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
	18000	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE	16000	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
	14000	92.8	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE	12000	96.8	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE	10000	97.9	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE	9000		98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE	8000	97.9	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE	7000	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	6000	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
		1															
GE	5000	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	4500	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GΕ	4000	98.9	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	3500	98.9	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	3000	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	25001	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	2000	99.5		100.0	100.0	100.0		100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1800	99.5	99.6	100.0	100.0	100.0	100.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1500		99.6	100.0	100.0	100.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1200	99.5	99.6	100.0	100.0		100.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
]	ا															
GE	1000	_	-						100.0					100.0	100.0		100.0
GE	900	99.5	99.6	100.0	100.0	100.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	800	99.5	99.6	100.0	100.0	100.0	100.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700		99.6			100.0						100.0	100.0	100.0	100.0	100.0	100.0
GE	600	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400		99.6	100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300		99.6	100.0	100.0	100.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0
GE	100	99.5	99.6	100.0	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	000	<u>_</u>	00.4	400.0	400.0	400.0	100.0	100.0	400.0	400.0	•••	400.0	100.0	400.0	100.0	400.0	400.0
GE	000	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: SEP HOURS: 21-23 CETLING. VISIBILITY IN STATUTE MILES GE GE GF GF GF GE GF T Ni GE GE GF 5 2 1 1/2 1 1/4 1 4 3 2 1/2 FEET 6 3/4 5/8 1/2 3/8 89.9 89.9 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 NO CETT 90.1 90.1 90.1 90.1 95.1 GE 20000 I 94.9 94.9 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 05 1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 94.9 95.1 GE 18000 I 94.9 95.1 95.1 95.1 95.1 95.1 95.1 95.1 GE 16000 94.9 95.1 95.1 94.9 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 GE 14000 94.9 94.9 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 GE 12000 97.7 97.9 97.9 97.9 97.9 97.9 97.9 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 10000 99.3 99.5 99.5 99.5 99.5 99.5 99.3 99.3 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 9000 99.5 99.5 99.5 99.5 99.5 99.5 GF 99.6 99.6 99.6 99.6 99.6 99.5 99.6 99.6 99.6 99.5 99.6 99.6 99.6 99.6 GE 8000 99.6 99.6 99.6 99.6 GE 7000 99.5 99.5 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 GE 6000 99.5 90 5 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.5 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 GE 5000 99.6 99.6 99.6 99.6 99.6 99.6 4500 99.5 99.5 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 GE 99.6 99.5 99.5 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 GE 4000 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 3500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 3000 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 2500 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 2000 99.8 99.8 100.0 100.0 100.0 1800 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.8 100.0 100.0 100.0 1500 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE GE 1200 99.8 99.R 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1000 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 900 99.8 100.0 100.0 100.0 800 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 99.8 100.0 100.0 100.0 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 700 99.8 GE 600 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99,8 5001 99.8 100.0 GΕ 400 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.8 100.0 100.0 100.0 100.0 100. 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 300 99.8 100.0 100.0 100.0 100.0 100.0 100.0 200 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 GE 100 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 000 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 567

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: SEP HOURS: ALL

				Lo	1 10 01	c. • o		FIGHTH: SEP HOORS. ALL									
	CEILING VISIBILITY IN STATUTE MILES														• • • • • •		
			-	or.	~=	05									-		
	[N	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FI	EET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
								• • • • • •			• • • • • •		• • • • • •	• • • • • •			
		1															
NO	CEIL	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
		ĺ															
GE	20000	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE	18000	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
	16000	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
	14000	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
	12000		95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE	12000	95.7	77.0	95,9	73.7	73.7	77.7	77.7	72.7	72.7	73.7	77.7	73.7	77.7	¥2.¥	93.9	95.9
							07.										
	10000		97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE	9000	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE	8000	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE	7000	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE	6000	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE	5000	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE	4500	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
	4000	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE														–			
GE	3500	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	3000	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1	ĺ															
GE	2500	99.7	99.8	100.0	100.0				100.0				100.0	100.0	100.0	100.0	100.0
GE	2000	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1800	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	1500 i	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE		99.7	99.8	100.0	100.0	100.0			100.0				100.0	100.0	100.0	100.0	100.0
-	1200	,,,,,	,,,,	100.0	100.0			10010	,,,,,,								
GE	1000	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100 0	100.0	100.0	100.0	100.0	100.0	100.0
						100.0		100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	900	99.7	99.8	100.0	100.0												
GE	800		99.8	100.0	100.0	100.0			100.0		100.0		100.0	100.0	100.0	100.0	100.0
GΕ	700		99.8	100.0	100.0	100.0	100.0	100.0		100.0			100.0	100.0	100.0	100.0	100.0
GE	600	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
]	l															
GE	500	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	,	99.7	99.8	100.0		100.0			100.0		100.0		100.0		100.0	100.0	100.0
GE		99.7	99.8	100.0	100.0	100.0	100.0	100.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0
GE	200 1		99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0
							100.0	100.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0
GE	100]	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		۱ +		400 -		400 -		400 -	400.0	400.0	400 -	400 0	400 0	400 0	400 0	400 0	400 0
GE	000	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
• • •	• • • • • •		• • • • •		• • • • • •	• • • • • •			• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: OCT HOURS: 00-02

GE 20000 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1				•	LS	יט סד דפ	ic: + 8					MON	TH: OCT	HOU	RS: 00-			
FEET 7 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 NO CEIL 91.8 91.8 91.8 91.8 91.8 91.8 91.8 91.8				• • • • • •	•••••		• • • • • • •	VISIB	LITY		TE MILE	S	•••••	• • • • • • •	• • • • • • •	• • • • • • •	, 	,
NO CEIL 91.8																		G
GE 20000 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1								2 ۱/ <i>۷</i>		۱ ۱/۵ 	. 1 1/4	·	3/4	۵/8 	1/2		1/4	
GE 18000 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1	NO C	EIL	 91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.
GE 18000 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1	GE 2	0000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95 1	0 5 1	95.
GE 16000 95.6 95.6 95.5 95.5 95.5 95.5 95.5 95.5																		95.
GE 12000 96.2 97.4	GE 1	6000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5							95.
GE 10000 97.4	GE 1	4000	95.6	95.6	95.6			95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.
GE 9000 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4	GE 1	2000	96.2	96.2	96.2	96.2	9 6.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.
GE 8000 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1	GE 1	0000	97.4	97.4				97.4						97.4	97.4	97.4	97.4	97.
GE 7000 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1																		97.
GE 6000 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3																		98.
GE 5000 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6																		98.
GE 4500 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98	GE	6000	98.3 	98.5	98.3	98.3	98.3	98.3	98.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.
GE 4000 99.3 99.3 99.3 99.3 99.3 99.3 99.3 9																		98.
GE 3500 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99																		98.
GE 3000 100.																		99.
GE 2500 100.																		99. 100.
GE 2000 100.	UE .	3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
GE 1800 100.	GE 3	2500	100.0													100.0	100.0	100
GE 1500 100.																	100.0	100
GE 1200 100.																		
GE 1000 100.0 10		1																
GE 900 100.0	GE '	1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
GE 800 100.0																		100
GE 700 100.0		1																100.
GE 600 100.0																		100.
GE 500 100.0 100																		100.
GE 400 100.0	GE	9001	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
SE 300 100.0																		
GE 200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0																		
	UE	100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
GE 000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0	GE	000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.

TOTAL NUMBER OF OBSERVATIONS 572

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY ORSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: OCT HOURS: 03-05 LST TO UTC: + 8 CEILING VISIBILITY IN STATUTE MILES GE GE 2 1/2 2 GE GE GE GE GΕ GE GE GE GE 1 1/2 1 1/4 FFFT 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 NO CEIL 89.1 80.1 80.1 89 1 89 1 89.1 GE 20000 91.9 91.9 91.9 91.9 01.0 01.0 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 GE 18000 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 GE 16000 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 92.1 92.1 92.1 92.1 92.1 GE 14000 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 93.1 93.1 GE 12000 93.1 93.1 93.1 93.1 93.1 94.6 94.6 94.6 94.6 94.6 GE 10000 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 9000 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 GE 95.9 95.9 95.9 95.9 GE 8000 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 GE 7000 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95.9 6000 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 GE 96.0 96.0 96.0 96.0 GE 5000 96.4 96.4 96.4 94.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 ĢΕ 4500 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 98.2 98.2 98.2 98.2 4000 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 GE 98.2 3500 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 GE 98.7 100.0 100.0 100.0 100.0 100.0 100.0 3000 100.0 100.0 100.0 100.0 100.0 100.0 2500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GF 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 2000 | 100.0 100.0 GE 1800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1500 1100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1200 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 1000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 900 1100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 800 100.0 100.0 100.0 100.0 700 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 500 1100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 400 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 100.

TOTAL NUMBER OF OBSERVATIONS

100.0

GE GE GE

GE

100 100.0

100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

200 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

000|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: OCT HOURS: 06-08

				12	1 10 0	10: + 8					MUN	IH: UCI	HOU	KS: U6-	UB		
CEII	LING	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	VISIB	ILITY I	N STATU	TE MILE	s	•••••	• • • • • • •	•••••	• • • • • • •	•••••	•••••
11		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEI	E1) 7 	6		4		2 1/2	2	۱ ۱/ <i>۷</i>	1 1/4	. 1 	3/4	5/8 	1/2	3/8	1/4	0
NO 4		83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	07 1	07 4
NO (CEIL	83.1	63.7	٥٥.،	QJ. I	65. t	63.1	03.1	03.1	65.1	65.1	65.1	63.1	63.1	63.1	83.1	83.1
	20000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
	8000	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
	16000	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
	14000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE '	12000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE '	10000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE	9000	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE	8000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE	7000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE	6000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE	5000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE	4500	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE	4000	97.1	97.1	97.1	97.1	97. 1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE	3500		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE	3000	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE	2500	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	2000	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	1800	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	1500	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	1200	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	1000	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	900 j	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	800 j	99.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700	99.5	99.5	99.8	99.8	100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	99.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	5001	99.5	99.5	99.8	99.8	100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0
GΕ	400	99.5	99.5	99.8	99.8	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300	99.5	99.5	99.8	99.8	100.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	99.5	99.5	99.8	99.8	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	99.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	0001	99.5	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
															• • • • • •		

TOTAL NUMBER OF OBSERVATIONS 649

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 MONTH: OCT HOURS: 09-11 LST TO UTC: + 8 VISIBILITY IN STATUTE MILES CEILING GE GE GE GE IN 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 0 FEET GE 20000 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 GE 18000 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 87.0 GE 16000 87.0 87.0 87.0 87.1 GE 14000 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 89.0 GE 12000 I 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 GE 10000 92.1 92.6 9000 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6 94.6 94.6 94.6 94.6 8000 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 GE 7000 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.9 6000 GE 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6 5000 95.6 95.6 GE 96.0 96.0 96.0 96.0 96.0 GE 4500 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2 GE 4000 97.2 3500 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 97.7 GE 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 GE 2500 99.3 2000 GE 99.3 99.5 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 1800 GE 99.3 99.5 00.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 1500 99.5 99.8 99.8 99.8 99.8 99.8 99.8 1200 99.8 10001 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 900 99.8 99.8 99.8 99.8 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 800 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 700 100 .0 100 .0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 6001100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 400 100.0 GE 200 100.0 100.0 100.0 100.0 100.0 100.0 100 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 607

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: OCT HOURS: 12-14 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GE IN GΕ GE GE GE GF GE 2 1/2 2 FEET 3 1 1/2 1 1/4 6 5 4 1 3/4 5/8 1/2 3/8 1/4 NO CEIL 78.3 78.3 78.3 78.3 78.3 78.3 GE 20000 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 84.8 85.1 GE 18000 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 GE 16000 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 85.1 GE 14000 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9 GE 12000 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 89.8 89.8 GE 10000 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 89.8 GE 9000 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 GE 8000 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 GE 7000 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1 GF 6000 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 5000 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 95,8 95.8 95.8 95.8 95.8 95.8 95.8 4500 96.6 96.6 96.6 GE 96.6 96.6 96.6 96.6 96.6 96.6 96,6 96.6 96.6 96.6 96.6 96.6 96.6 4000 98.4 98.4 98.4 98.4 98.4 GE 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.7 98.7 GE 3500 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 **98 7** 98.7 98.7 98.7 98.7 98.7 3000 99.2 99.4 99.4 99.4 99.4 99.4 99.4 99.4 2500 99.2 99.4 99.4 GE 99.2 99.2 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 2000 99.4 99.4 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.4 99.4 99.4 GE 1800 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GΕ 1500 99.4 99.4 99.4 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.8 GE 12001 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 100.0 1000 99.8 99.8 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 GE 900 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 800 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.8 99.8 GE 700 99.8 100.0 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 GF 500 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GΕ 400 İ 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 300 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 200 99.8 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 626

99.8

0001 99.8

99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STA	TION N	IUMBER:	724844		ATION NA		NOPAH TE	ST RAN	GE NV			OD OF R H: OCT		JAN 83 S: 15-17	5 - MAR 7	90	
CEI	LING		• • • • • • •	• • • • • •		• • • • • • •	VISIBII	ITY IN	STATUT	E MILES	•••••	• • • • • • •		• • • • • • • •	•••••	• • • • • • •	•••••
ī		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FE		7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
		, 															
	j	l															
NO	CEIL	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
OF.	20000	95 4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	0E 4	85.6	0E 4	05 /
	20000 18000	85.6 85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.6 85.8	85.8	85.6 85.8	85.6 85.8
	16000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
	14000		86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
	12000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
)	••••			- · · · ·	• • • • • • • • • • • • • • • • • • • •										
GE	10000 į	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE	9000	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE	8000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE	7000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE	6000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
								05.4		ar 4	05.4	05.4	05.4		05.4	05.7	05.7
GE	5000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.3	95.3
GE	4500	96.1 98.5	96.1 98.5	96.1 98.5	96.1 98.5	96.1 98.5	96.1 98.5	96.1 98.5	96.1 98.5	96.1 98.5	96.1 98.5	96.1 98.5	96.1 98.5	96.1 98.5	96.1 98.5	96.2 98.7	96.2 98.7
GE	3500	98.5	98.5	98.5	98.5	98.5	98.5 98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.7	98.7
GE GE	3000	98.9	98.9	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.5
GE	3000	70.7	70.7	77.6	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE	2500	98.9	98.9	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.5
GE	2000	99.2	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE	1800	99.2	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE	1500	99.2	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE	1200	99.2	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
	ì																
GE	1000	99.2	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE	900	99.2	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE	800	99.2	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE	700	99.2	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8 99.8	99.8 99.8	99.8	99.8 99.8	99.8	99.8	100.0	100.0
GE	600	99.2	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.0	99.8	99.0	99.8	99.8	100.0	100.0
GE	500	99.2	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE	4001	99.2	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE		99.2	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE		99.2	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE		99.2	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
	i																
GE	000	99.2	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 611

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: OCT HOURS: 18-20 CEILING VISIBILITY IN STATUTE MILES GE IN GE GE GF GE GE GE GE GF GF 4 3 2 1/2 2 1 1/2 1 1/4 FEET 1 5/8 1/4 0 84.5 84.5 84.5 84.5 NO CEIL 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5 GE 20000 90 4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90 4 **9**0 4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 GE 18000 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 GE 16000 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.6 90.6 GE 14000 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 GE 12000 94.6 94.6 94.6 GE 10000 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.6 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 9000 94.9 94.9 94.9 GE 94.9 94.9 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 GE 8000 95.5 95.5 7000 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 GE GE 6000 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 GE 5000 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 GE 4500 96.9 96.9 99.0 GF 4000 98.6 98.8 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.1 99.0 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 GE 3500 98.8 99.1 99.5 99 7 99 7 GE 3000 99.3 99.7 99.8 2500 99.3 99.5 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 GE 99.3 99.8 99.8 99.8 99.8 99.8 99.8 GE 2000 99.5 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 1800 99.3 99.5 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 GE 1500 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99.5 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1200 100.0 100.0 100.0 GE 1000 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 900 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 800 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 700 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 600 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 5001 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE GE 400 l 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE GE 200 j 99.5 99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 99 7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 573

Married Committee Committe

99.7 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: OCT HOURS: 21-23 VISIBILITY IN STATUTE MILES CEILING GE GE GE GE GE GE GE GE GE GE GF GF IM 2 1/2 1 1/2 1 1/4 2 5 4 3 3/4 5/8 FEET 6 1 1/2 3/8 1/4 0 NO CEIL (88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 GE 20000 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93. N 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 GE 18000 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 GE 16000 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 GE 14000 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 GE 12000 94.2 94.2 94.2 94.2 94.2 GE 10000 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 9000 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 GF 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 8000 GΕ 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 GΕ 7000 96.9 96.9 96.9 96.9 96.9 97.6 97.6 97.6 97.6 97.6 GE 6000 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6 GE 5000 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 57.9 97.9 97.9 97.9 97.9 97.9 98.1 98.1 4500 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 GE 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 GF 4000 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 GE 3500 90.1 99.1 99.1 99.1 99.1 99.1 3000 100.0 GE 2500 1100.0 2000 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1800 1100 . 0 100 . 0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 1500 100.0 100.0 100.0 GE 1200 100.0 GE 1000 | 100.0 100.0 100.0 100.0 100.0 900 (100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GF 800 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100,0 100.0 100.0 100.0 100.0 100.0 100.0 GE 700 1 100 . 0 100.0 100.0 100.0 100.0 100.0 600 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GF 100.0 100.0 100.0 GE 5001100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 400 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 300 100 .0 100 .0 100.0 100.0 100.0 GF 100.0 100.0 100.0 100.0 200|100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 000/100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE

TOTAL NUMBER OF OBSERVATIONS 573

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: OCT HOURS: ALL VISIBILITY IN STATUTE MILES CELLING GE GE G€ GE GE IN 3 2 1/2 2 1 1/2 1 1/4 1 FEET | 6 5 4 3/4 5/8 1/2 3/8 1/4 0 84.2 84.2 84.2 84.2 84.2 84.2 84.2 84.2 84.2 84.2 84.2 84.2 NO CEIL 84.2 84.2 84.2 84.2 89.4 89.4 89.4 89.4 89.4 GE 20000 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.5 GE 18000 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 GE 16000 89.6 89.6 89.6 89.6 89.6 89.6 89.6 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89,9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 GE 14000 89.9 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 GE 12000 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 93.5 GE 10000 93.5 93.5 93.5 93.5 93.5 93.5 93.5 GE 9000 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 8000 95.0 95.0 GE 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 95.1 7000 95.1 GF 95.5 95.5 95.5 95.5 95.5 GE 0000 95.5 95.5 95.5 95.5 95.5 96.3 96.3 96.3 GE 5000 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.8 96.8 4500 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.9 96.9 GE 96.8 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 GE 4000 98.3 98.5 98.5 98.5 98.5 98.5 3500 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 GF 3000 00.3 99.3 99.4 99.4 99.4 99.5 99.5 GE 99.6 99.6 99.6 99.6 99.6 99.6 99.7 99.6 99.6 99.7 GE 2500 99.5 99.5 99.6 99.6 99.6 99.6 99.5 99.6 99.7 99.7 99.7 99.8 2000 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.8 GE 99.5 99.6 GE 1800 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.8 99.8 1500 99.6 99.6 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99.8 99,8 99.8 GE 90.8 90.9 99.9 99.9 99.9 100.0 100.0 1200 99.7 GE 99.9 99.9 99.9 99 9 99.9 99.9 90 9 99.9 99 9 99.9 99.9 100.0 100.0 GE 1000 99.7 99.8 90.0 900 Í 99.7 99.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 100.0 100.0 GE 99.8 99.8 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 800 100.0 100.0 100.0 700 99.8 99.8 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.8 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 600 99.8 GE 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 500 99.8 99.8 99.9 100.0 400 99.8 99.8 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 99.8 99.8 100.0 GE 300 Ì 99.9 99.9 100.0 100.0 100.0 100.0 100,0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 200 99.8 99.8 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 GE 100.0 100.0 100.0 100.0 100.0 100.0 100,0 99.8 100.0 100.0 100.0 100.0 100.0 GE 1001 99.8 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 000 99.8 99.8 99.9

TOTAL NUMBER OF OBSERVATIONS 4818

GF

GE 5000

GE 4500

GE

GE 3500

GE

GE 2500

GE

GE

GE

GE

GE 1000

GE

GE

4000

3000

2000

1800

1500

1200

900

800

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

95.2

95.9

96.8

96.8

96.9

97.1

98.1

98.1

98.1

98.8

99.0

99.0

99.0

99.0

95.2

95.9

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97 1

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98.8

99.0

99.0

99.0

99.0

95.2

95.9

96.8

96.8

96.9

97.1

98.1

98.1

98.1

98.8

99.0

99.0

99.0

99.0

95.2

95.9

96.8

96.8

96.9

97.1

98.1

98.1

98.1

98.8

99.0

99.0

99.0

99.0

GE

82.9

88.0

88.5

88.5

89.4

92.1

94.4

94.4

95.0

95.0

95.9

96.2

96.9

97.8

97.8

QR 1

99.1

99.1

99.1

99.8

100.0

100.0

100.0

95.7

96.4

97.3

97.3

97.4

97.6

98.6

98.6

98.6

99.3

99.5

99.5

95.7

96.4

97.3

97.3

97 6

98.6

98.6

98.6

99.3

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99.5

99.5

96.2

96.9

97.8

97.8

97.9

QR 1

99.1

99.1

99.1

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99.5 99.5 100.0 100.0

0

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 MONTH: NOV HOURS: 00-02 LST TO UTC: + 8 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GΕ GE GE GE GE GE ΙN 2 1/2 1 1/2 1 1/4 7 5 4 3 2 1 3/4 5/8 1/2 3/8 6 1/4 FEET 82.2 NO CEIL 82.2 82.2 82 2 82.2 82 2 82 2 82.2 82.2 82.2 82.2 82 2 82 4 82 4 82.9 87.4 87 4 GE 20000 87.4 87.4 87.4 87.4 87.4 87.4 87 4 87.4 87.4 87.4 87 5 87.5 88.0 GE 18000 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 88.0 88.0 88.5 87.9 88.0 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 88.0 GE 16000 87.9 88.5 88.7 GE 14000 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.9 88.9 89.4 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.6 91.6 92.1 GE 12000 91.5 93.3 93.2 93.3 93.3 93.3 93.3 93.3 93.8 93.8 93.3 93.3 93.3 93.3 93.3 GE 10000 94.4 9000 93.2 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93.8 93.8 94.4 GE 94.0 94.5 GE 8000 93.8 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.5 95.0 7000 93.8 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94.5 94.5 95.0 GE 6000 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 95.4 95.4 95.9 94.7

95.2

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MARKET PER SHIP CONTRACTOR A CONTRACTOR

99.5 97.4 97.9 97.9 GΕ 99.0 99.5 99.5 700 97.4 97.9 97.9 98.5 98.6 98.6 99.0 99.0 99.0 99.0 99.0 100.0 100.0 GE 99.0 99.0 600 97.4 97.9 97.9 98.5 98.6 98.6 99.0 99.0 99.0 100.0 100.0 GE 99.0 100.0 97.9 97.9 98.5 98.6 98.6 99.0 99.0 99.0 99 n 90 n 99.5 99.5 97.4 100 0 ĢΕ 500 99.0 99.0 GE 400 97.4 97.9 97.9 98.5 98.6 98.6 99.0 99.0 99.0 99.0 99.5 99.5 100.0 100.0 97.4 99.0 99.5 GΕ 300 97.9 97.9 98.5 98.6 98.6 99.0 99.0 99.0 99.0 99.0 99.5 100.0 100.0 200 97.4 97.9 97.9 98.5 98.6 98.6 99.0 99.0 99.0 99.0 99.0 99.0 99.5 99.5 100.0 100.0 GE 98.5 99.0 100 97.4 97.9 97.9 98.6 98.6 99.0 99.0 99.0 99.0 99.0 99.5 99.5 100.0 100.0 GE

TOTAL NUMBER OF OBSERVATIONS

15.0mm (2.5.0 TEXES)的双眼中间的

97.9 97.9

95.2

95.9

96.2

96.2

96.4

96.6

97.1

97.1

97.1

97.8

97.9

97.9

95.0

95.7

96.1

96.1

96.2

96.4

96.8

96.8

96.8

97.4

97.4

97.4

000 97.4

95.2

95.9

96.2

96.2

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96.6

97.1

97.1

97.1

97.8

97.9

97.9

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96.8

96.8

96.9

97.1

97.6

97.6

97.6

98.3

98.5

98.5

98.5

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: NOV HOURS: 03-05

					1 10 01						HON	III. NOV	HOUK	3: 05-0	,		
	LING				• • • • • • •	• • • • • • •	VISIBI	LITY I	N STATU	E MILES	 S				• • • • • •	• • • • • • •	· · · · · ·
I	N I	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FE	ET Í	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
•••																• • • • • • •	
	CC 1.	70.7	70.7	70.7	79.3	79.3	79.5	79.5	79.6	79.6	70.0	70.0	70.0	90.7	80.7	90 F	00 (
NU.	CE1F	79.3 	79.3	79.3	17.3	19.3	17.3	19.5	19.0	77.0	79.8	79.8	79.8	80.3	80.3	80.5	80.6
GE :	20000	85.7	85.7	85.7	85.7	85.7	85.9	85.9	86.0	86.0	86.2	86.2	86.2	86.7	86.7	86.9	87.0
GE	18000	86.2	86.2	86.2	86.2	86.2	86.4	86.4	86.5	86.5	86.7	86.7	86.7	87.2	87.2	87.4	87.5
GE	16000	86.2	86.2	86.2	86.2	86.2	86.4	86.4	86.5	86.5	86.7	86.7	86.7	87.2	87.2	87.4	87.5
	14000		86.4	86.4	86.4	86.4	86.5	86.5	86.7	86.7	86.9	86.9	86.9	87.4	87.4	87.5	87.7
GE	12000	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.4	89.4	89.6	89.6	89.6	90.1	90.1	90.2	90.4
GF	10000	90.2	90.2	90.4	90.4	90.4	90.6	90.6	90.7	90.7	90.9	90.9	90.9	91.4	91.4	91.6	91.8
GE		90.2	90.2	90.4	90.4	90.4	90.6	90.6	90.7	90.7	90.9	90.9	90.9	91.4	91.4	91.6	91.8
GE	8000	91.2	91.4	91.6	91.6	91.6	91.8	91.8	91.9	91.9	92.1	92.1	92.1	92.6	92.6	92.8	92.9
GE	70001		91.4	91.6	91.6	91.6	91.8	91.8	91.9	91.9	92.1	92.1	92.1	92.6	92.6	92.8	92.9
GE	6000		92.4	92.6	92.6	92.6	92.8	92.8	92.9	92.9	93.1	93.1	93.1	93.6	93.6	93.8	93.9
GL	0000	72.3	76.4	72.0	72.0	72.0	76.0	,,,,	,,,,	,	,,,,	,3	,,,,	73.0	75.0	,,,,	,,,,
GE	5000	92.9	93.1	93.3	93.3	93.3	93.4	93.4	93.6	93.6	93.8	93.8	93.8	94.3	94.3	94.4	94.6
GE	4500 į	93.3	93.4	93.6	93.6	93.6	93.8	93.8	93.9	93.9	94.1	94.1	94.1	94.6	94.6	94.8	94.9
GE	4000	93.8	93.9	94.1	94.1	94.1	94.3	94.6	95.1	95.1	95.3	95.3	95.3	95.8	95.8	96.0	96.1
GE	3500	93.8	93.9	94.1	94.1	94.1	94.3	94.6	95.1	95.1	95.3	95.3	95.3	95.8	95.8	96.0	96.1
GE	3000	94.6	94.8	94.9	94.9	94.9	95.1	95.5	96.0	96.0	96.1	96.1	96.1	96.6	96.6	96.8	97.0
	j	l															
GE	2500	94.8	94.9	95.1	95.1	95.1	95.3	95.6	96.1	96.1	96.3	96.3	96.3	96.8	96.8	97.0	97.1
GE	2000	95.1	95.3	95.5	95.5	95.6	95.8	96.6	97.1	97.1	97.3	97.3	97.3	97.8	97.8	98.0	98.1
GE	1800	95.1	95.3	95.5	95.5	95.6	95.8	96.6	97.1	97.1	97.3	97.3	97.3	97.8	97.8	98.0	98.1
GE	1500	95.5	95.6	95.8	95.8	96.0	96.1	97.0	97.5	97.5	97.6	97.6	97.6	98.1	98.1	98.3	98.5
GE	1200	96.0	96.1	96.3	96.3	96.5	96.6	97.5	98.0	98.0	98.1	98.1	98.1	98.7	98.7	98.8	99.0
GE	10001	96.0	96.1	96.6	96.6	97.0	97.1	98.0	98.5	98.5	98.7	98.7	98.7	99.2	99.2	99.3	99.5
GE	900		96.1	96.6	95.6	97.0	97.1	98.0	98.5	98.5	98.7	98.7	98.7	99.2	99.2	99.3	99.5
GE	800		96.3	96.8	96.8	97.1	97.3	98.1	98.7	98.7	98.8	98.8	98.8	99.3	99.3	99.5	99.7
GE	700	96.1	96.3	96.8	96.8	97.1	97.3	98.1	98.7	98.7	98.8	98.8	98.8	99.3	99.3	99.5	99.7
GE	600	96.1	96.3	96.8	96.8	97.1	97.3	98.1	98.7	98.7	98.8	98.8	98.8	99.3	99.3	99.5	99.7
GE	000	70.1	70.3	90.0	70.0	77.1	77.3	70.1	70.7	70.1	70.0	70.0	70.0	77.3	77.3	77.3	77.1
GE	500	96.1	96.3	96.8	96.8	97.1	97.3	98.1	98.7	98.7	98.8	98.8	98.8	99.3	99.3	99.7	99.8
GE	400		96.3	96.8	96.8	97.1	97.3	98.1	98.7	98.7	98.8	98.8	98.8	99.3	99.3	99.7	99.8
GE	300	96.1	96.3	96.8	96.8	97.1	97.3	98.1	98.7	98.7	98.8	98.8	98.8	99.3	99.3	99.7	99.8
GE	200	96.1	96.3	96.8	96.8	97.1	97.3	98.1	98.7	98.7	98.8	98.8	98.8	99.3	99.3	99.7	99.8
GE	100	96.1	96.3	96.8	96.8	97.1	97.3	98.1	98.7	98.7	98.8	98.8	98.8	99.3	99.3	99.7	99.8
GE	0001	06.1	96.3	96.8	96.8	97.1	97.3	98.1	98.7	98.7	98.8	98.8	98.8	99.3	99.3	99 7	100.0
UE	000 }	96.1	70.3	90.0	70.0	71.1	71.3	70.1	70.1	70.1	70.0	70.0	70.0	77.3	77.3	77.1	100.0

TOTAL NUMBER OF OBSERVATIONS 594

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8 PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: NOV HOURS: 06-08

											,,,,,,,,		HOOK		•		
CEILII	NC	•••••	• • • • • • •	• • • • • • •		• • • • • • •	VICIBII	ITY IN	STATUT	F MILES	•••••		• • • • • • •		•••••	• • • • • • •	• • • • • •
IN	١.	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	0.5	
FEET	- 1	7	6	5	4	3	2 1/2	2		1 1/4						GE	GE
PEEI	ı,	,	0	,	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
	:	• • • • • •	• • • • • •		• • • • • •	• • • • • • •		• • • • • •	• • • • • • • •		• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	
									<i>-</i>								
NO CE	ու լ	73.0	73.0	73.5	73.5	73.5	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.8	73.8	74.2	74.2
	- 1																
GE 200	1000	79.7	79.7	80.2	80.2	80.2	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.5	80.5	80.9	80.9
GE 180	j 000	80.5	80.5	81.0	81.0	81.0	81.0	81.0	81.0	81.2	81.2	81.2	81.2	81.3	81.3	81.7	81.7
GE 160	000 i	80.5	80.5	81.0	81.0	81.0	81.0	81.0	81.0	81.2	81.2	81.2	81.2	81.3	81.3	81.7	81.7
GE 140		81.2	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	82.0	82.0	82.3	82.3
GE 120		82.8	82.8	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.6	83.6	83.9	83.9
OL ILU	700	02.0	02.0	03.3	03.3	03.3	03.3	65.5	03.3	03.4	4.00	65.4	05.4	65.6	65.6	05.9	03.9
GE 100	100	86.0	94.0	94 4	04 4	04 4	04 4	94.4	04 4	04 0	0/ 0	04 0	97.0	0/ 0	0/ 0	~~ ~	
			86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.8	86.8	86.8	86.8	86.9	86.9	87.2	87.2
	100	86.4	86.4	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.4	87.4	87.7	87.7
	1000	88.5	88.5	89.2	89.3	89.3	89.3	89.3	89.3	89.5	89.5	89.5	89.5	89.6	89.6	90.0	90.0
GE 70	000	88.7	88.7	89.3	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.8	89.8	90.1	90.1
GE 60	100 j	89.2	89.2	89.8	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.3	90.3	90.6	90.6
	i																
GE 50	100 i	90.1	90.1	90.9	91.1	91.1	91.1	91.2	91.2	91.4	91.4	91.4	91.4	91.5	91.5	91.9	91.9
	00	91.1	91.1	91.9	92.0	92.0	92.0	92.2	92.2	92.3	92.3	92.3	92.3	92.5	92.5	92.8	92.8
	00	91.4	91.4	92.2	92.3		92.3										
						92.3		92.7	92.7	92.8	92.8	92.8	92.8	93.0	93.0	93.3	93.3
	00	91.7	91.7	92.5	92.7	92.7	92.7	93.0	93.0	93.1	93.3	93.3	93.3	93.5	93.5	93.8	93.8
GE 30	100	92.5	92.7	93.5	93.6	93.6	93.6	94.3	94.3	94.4	94.7	94.7	94.7	95.1	95.1	95.4	95.4
	- 1																
GE 25	00	92.7	92.8	93.6	93.8	93.8	93.8	94.6	94.7	94.9	95.2	95.2	95.2	95.5	95.5	95.9	95.9
GE 20	00 İ	93.1	93.3	94.1	94.3	94.4	94.4	95.4	95.5	95.7	96.0	96.0	96.0	96.3	96.3	96.7	96.7
GE 18	00 i	93.5	93.6	94.4	94.6	94.7	94.7	95.7	95.9	96.0	96.3	96.3	96.3	96.7	96.7	97.0	97.0
	001	94.3	94.4	95.2	95.4	95.5	95.5	96.5	96.7	96.8	97.1	97.1	97.1	97.4	97.4	97.8	97.8
	00	94.7	94.9	95.7	95.9	96.0	96.0	97.0	97.1	97.3	97.6	97.6	97.6	97.9	97.9	98.2	98.2
GL 12	901	74.1	74.7	73.1	73.7	70.0	70.0	77.0	71.1	71.3	77.0	77.0	71.0	71.7	71.7	70.2	90.2
CE 10	00	94.9	OF 1	05.0	04.0	04.7	04.7	07 /	07.4	07.0	00.1	09 1	00.1	00 /	00.4	00.0	
			95.1	95.9	96.0	96.3	96.3	97.4	97.6	97.8	98.1	98.1	98.1	98.6	98.6	98.9	98.9
	00	94.9	95.1	95.9	96.0	96.3	96.3	97.4	97.6	97.8	98.1	98.1	98.1	98.6	98.6	98.9	98.9
		94.9	95.1	96.0	96.3	96.7	96.7	97.8	97.9	98.1	98.4	98.4	98.4	98.9	98.9	99.2	99.2
GE 7	100	94.9	95.1	96.0	96.3	96.7	96.7	97.8	97.9	98.1	98.4	98.4	98.4	98.9	98.9	99.2	99.2
GE 6	001	94.9	95.1	96.0	96.3	96.7	96.7	97.8	97.9	98.1	98.4	98.4	98.4	98.9	98.9	99.2	99.2
	ì																
GE 5	00 (94.9	95.1	96.0	96.3	96.7	96.7	97.8	97.9	98.1	98.4	98.4	98.4	98.9	98.9	99.2	99.2
	001	94.9	95.1	96.2	96.5	96.8	96.8	97.9	98.1	98.2	98.6	98.6	98.6	99.0	99.0	99.4	99.4
		94.9	95.1	96.2	96.5	96.8	96.8	97.9	98.1	98.2	98.6	98.6	98.6	99.0			
															99.0	100.0	100.0
	00	94.9	95.1	96.2	96.5	96.8	96.8	97.9	98.1	98.2	98.6	98.6	98.6	99.0	99.0	100.0	100.0
GE 1	00 ĺ	94.9	95.1	96.2	96.5	96.8	96.8	97.9	98.1	98.2	98.6	98.6	98.6	99.0	99.0	100.0	100.0
	J																
GE 0	00	94.9	95.1	96.2	96.5	96.8	96.8	97.9	98.1	98.2	98.6	98.6	98.6	99.0	99.0	100.0	100.0
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TOTAL NUMBER OF OBSERVATIONS 627

THE WOOD OF STREET PARTIES AND ADDRESS OF THE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8 PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: NOV HOURS: 09-11

				LST	TO UT	C: + 8					MON'	TH: NOV	HOUR	s: 09-1	1		
CEII	ING	• • • • • •	•••••	• • • • • •	• • • • • •	• • • • • •	VISIBI	LITY II	N STATU	E MILES	 S	• • • • • • •	•••••	•••••	•••••	•••••	• • • • • •
11	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FE	ET [7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
• • • •			• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	•••••	• • • • • • •	• • • • • • • •	• • • • • •
NO 0	EIL	74.1	74.1	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4
GE 2	20000	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.7	82.7	82.7	82.7
	8000	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.0	84.0	84.0	84.0
GE 1	6000	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.0	84.0	84.0	84.0
	4000	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.0	84.0	84.0	84.0
GE 1	2000	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2
GF 1	0000	86.8	86.8	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1
	9000	87.6	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9
	8000	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3
	7000	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.6	91.6	91.6	91.6
_	6000	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.9	91.9	91.9	91.9
	j																
	5000		92.5	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.9	92.9	92.9	92.9
	4500	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3
	4000	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8
	3500	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8
GE	3000	94.9	94.9	94.9	94.9	95.2	95.2	95.9	96.0	96.0	96.2	96.2	96.2	96.3	96.3	96.3	96.3
GE	2500 l	95.9	95.9	95.9	95.9	96.2	96.2	96.8	97.0	97.0	97.1	97.1	97.1	97.3	97.3	97.3	97.3
	2000	96.8	96.8	96.8	96.8	97.1	97.1	97.8	97.9	97.9	98.1	98.1	98.1	98.3	98.3	98.3	98.3
	1800	97.1	97.1	97.1	97.1	97.5	97.5	98.1	98.3	98.3	98.4	98.4	98.4	98.6	98.6	98.6	98.6
GE	1500 i	97.1	97.1	97.1	97.1	97.5	97.5	98.1	98.3	98.3	98.4	98.4	98.4	98.6	98.6	98.6	98.6
GE	1200	97.9	97.9	97.9	97.9	98.3	98.3	98.9	99.0	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4
				00.4	00.4	~~ /	00.4	~~ ^	00.3	00.3	00.4	~	00 /	00.5	00.5	00 F	00.5
GE	1000		98.1	98.1	98.1	98.4	98.4 98.4	99.0 99.0	99.2 99.2	99.2 99.2	99.4 99.4	99.4 99.4	99.4 99.4	99.5 99.5	99.5 99.5	99.5 99.5	99.5 99.5
GE GE	900 800	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.4 98.4	98.4	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE	700	98.1	98.1	98.1	98.1	98.4	98.4	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE	600		98.1	98.1	98.1	98.4	98.4	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE	9001	70.1	70.1	70.1	70.1	70.4	70.4	77.0	77.2	77.2	77.4	77.4	77.4	77.3	77.3	77.3	77.3
GE	500	98.1	98.1	98.1	98.1	98.4	98.4	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GΕ	400	98.1	98.1	98.1	98.1	98.4	98.4	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE	300	98.1	98.1	98.1	98.1	98.4	98.4	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.5	100.0	100.0
GE	200 j	98.1	98.1	98.1	98.1	98.4	98.4	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.5	100.0	100.0
GE	100	98.1	98.1	98.1	98.1	98.4	98.4	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.5	100.0	100.0
GE	000	98.1	98.1	98.1	98.1	98.4	98.4	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.5	100.0	100.0
	. 													 .			

TOTAL NUMBER OF OBSERVATIONS 630

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 MONTH: NOV HOURS: 12-14 LST TO UTC: + 8 VISIBILITY IN STATUTE MILES CEILING GΕ GE GE GE GE GE GE GE GE GE IN GE GE GE 2 1/2 1 1/2 1 1/4 1/2 FEET 3/8 1/4 ۵ 70.6 70.6 70.6 70.6 70.6 70.6 70.6 70.8 70.8 70.8 70.8 70.8 70.8 70.8 NO CEIL Í 70.8 70.8 GE 20000 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.7 82.7 82.7 82.7 82.7 82.7 82.7 82.7 82.7 GE 18000 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 GE 16000 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 83.5 GE 14000 83.8 83.8 83.8 83.8 83.8 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 83.8 83.8 84.0 85.1 85.1 85.1 85.1 84.9 85.1 85.1 84.9 85.1 85.1 85.1 GE 12000 84.9 84.9 84.9 84.9 86.7 GE 10000 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 9000 87.3 87.3 87.3 87.3 87.3 87.3 87.3 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5 GΕ GE 8000 90.8 90.8 90.8 90.8 90.8 90.8 90.8 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.1 91.3 91.3 91.3 91.3 91.3 91.1 91.1 91.1 91.1 91.1 91.1 91.3 91.3 91.3 91.3 GE 7000 6000 91.9 91.9 91.9 91.9 91.9 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.1 GE 92.7 92.5 92.5 92.7 92.7 92.7 92.5 92.5 92.5 92.5 92.7 92.7 92.7 92 7 92.7 GE 5000 92.5 GE 4500 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 94.1 94.1 94.4 94.6 94.6 94.6 94.6 4000 94.1 94.3 94.4 94.4 94.6 94.6 94.6 94.6 94.6 GE 94.4 94.6 94.8 94.8 94.8 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 GE 3500 94.4 94.4 3000 95.2 95.6 96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 GF 97.3 97.3 97.3 97.3 2500 96.5 96.5 96.7 96.8 96.8 97.1 97.3 97.3 97.3 97.3 97.3 GE 96.5 97.3 2000 97.3 97.3 97.5 97.6 97.6 97.9 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 GE GE 1800 97.5 97.5 97.5 97.6 97.8 97.8 98.1 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 97.9 GE 1500 97.9 97.9 98.1 78.3 98.3 98.6 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.9 98.9 1200 98.4 98.4 98.4 98.6 98.7 98.7 99.2 99.2 GE 99.2 99.2 98.4 98.4 98.7 99.2 99.2 99.2 99.2 99.2 99.4 99.4 98.4 98.6 98.7 99.0 1000 GE 99.2 99.2 99.2 99.2 99.2 99.2 99.0 99.2 99.4 99.4 GE 900 98.4 98.4 98.4 98.6 98.7 98.7 99.4 99.4 GΕ 800 98.6 98.6 98.6 98.7 98.9 98.9 99.2 99.4 99.4 99.4 99.4 99.4 99.5 99.5 700 98.6 98.6 98.6 98.7 98.9 98.9 99.2 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.5 99.5 GΕ 99.4 99 4 99.4 99.4 99.4 GE 600 98.6 98.6 98.6 98.7 98.9 98.6 98.6 98.6 99.2 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.5 99.5 98.7 98.9 98.9 GE 500 99.4 98.6 99.2 99.4 99.4 99.4 99.4 99.4 99.4 GE 400 98.6 98.6 98.7 98.9 98.9 99.8 99.8 99.4 99.4 99.4 99.4 99.4 99.4 100.0 100.0 GE 300 98.6 98.6 98.6 98.7 98.9 98.9 99.2 99.4 99.4 98.9 99.4 99.4 200 j 98.6 98.6 98.6 98.7 98.9 99.2 99.4 99.4 99.4 99.4 100.0 100.0 GE 99.4 99.4 99.4 100 i 98.6 98.6 98.6 98.7 98.9 98.9 99.4 99.4 100.0 100.0 GE

TOTAL NUMBER OF OBSERVATIONS 630

98.6 98.6

GE

000 98.6

WAR BUT TO BE SHEET THE

98.7

D - 2 - 95

99.4

98.9 98.9 99.2 99.4 99.4

99.4 99.4 99.4 99.4 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: NOV HOURS: 15-17

				LS	1 10 01	L: + 0					HUN	H: NOV	HOUK	S: 15-1	7		
	LING	•••••	•••••						N STATU			• • • • • • • •		•••••	•••••	•••••	••••
II FEI		GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7 (9	GE	C
	• · · · · · ·				4		2 1/2		1 1/2					1/2	3/8	1/4	
ю (CEIL	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.
F	20000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.
	18000		82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82
	16000		82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82
E	14000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83
E	12000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86
E '	10000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90
E	9000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90
E	8000		93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93
E	7000		93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93
E	6000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94
_	5000		94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.4	94.4	94.4	9
E	4500	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	9
=	4000		96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5	96.5	96.5	9
E	3500		96.1	96.1	96.1	96.3	96.3 96.8	96.3 96.8	96.3 96.8	96.3 96.8	96.3 96.8	96.3 96.8	96.3 96.8	96.5 96.9	96.5 96.9	96.5 96.9	9
Ε	3000	96.5	96.5	96.5	96.5	96.8	70.0	70.0	90.0	70.0	90.0	70.0	90.0	90.9	90.9	70.7	7
:	2500	97.6	97.6	97.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1	9
•	2000	98.2	98.2	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.7	98.7	98.7	9
:	1800	98.5	98.5	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	9
•	1500	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.4	9
•	1200	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.4	9
E		98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.4	9
:	900	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.5	9
Ε	800	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.7	9
Ε	700	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.7	9
	600	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.7	9
	500		99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.7	99.8	9
Ė	400	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.7	100.0	10
E	,	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.7	100.0	10
E	200	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.7	100.0	10
	100	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.7	100.0	10
Ε	000	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.7	100.0	10

TOTAL NUMBER OF OBSERVATIONS 620

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: NOV HOURS: 18-20

				LSI	TO UT	C: + 8					MONT	H: NOV	HOURS	s: 18-20)		
CE	LING			• • • • • • •			VISIBIL	ITY IN	STATUT	E MILES	•••••	• • • • • • •	• • • • • • •		• • • • • • •	• • • • • • •	• • • • • •
	IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FI	EET	7	6	5	٠ 4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
• •	• • • • • •		• • • • • • •	• • • • • • •		• • • • • •	• • • • • • •	• • • • •	•••••	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •
NO	CEIL	76.3	76.3	76.5	76.6	76.6	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
	,	1	. • • •												•		
	20000		83.9	84.1	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
	18000	85.8	85.8	86.0	86.1	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
	16000	85.8	85.8	86.0	డ5.1	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
	14000 12000	86.1	86.1 87.8	86.3 88.0	86.5 88.2	86.5 88.2	86.5 88.2	86.5 88.2	86.6 88.3	86.6 88.3	86.6 88.3	86.6 88.3	86.6 88.3	86.6 88.3	86.6 88.3	86.6 88.3	86.6 88.3
GE	12000	0/.0 	67.6	80.0	00.2	00.2	00.2	00.2	00.3	00.5	00.3	00.3	00.3	00.3	00.5	00.3	00.3
GE	10000	91.9	91.9	92.0	92.2	92.2	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE	9000	92.2	92.2	92.4	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GΕ	8000	94.8	94.8	94.9	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE	7000	94.8	94.8	94.9	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE	6000	94.9	94.9	95.1	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE	5000	95.1	95.1	95.3	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.8	95.8	95.8	95.8
GE	4500	96.8	96.8	97.0	97.1	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.5	97.5	97.5	97.5
GE	4000	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.5	98.5	98.5	98.5
GE	3500		97.8	98.0	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.5	98.5	98.5	98.5
GE	3000	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.5	98.5	98.5	98.5
GE	2500	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.5	98.5	98.5	98.5
GE	2000	98.3	98.3	98.5	98.6	98.6	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2
GE	1800	98.3	98.3	98.5	98.6	98.6	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2
GE	1500	98.5	98.5	98.8	99.0	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5
GE	1200	98,5	98.5	98.8	99.0	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5
GE	1000	98.6	98.6	99.0	99.2	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE	900	98.6	98.6	99.0	99.2	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE	800	98.8	98.8	99.2	99.3	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE	700	98.8	98.8	99.2	99.3	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE	600	98.8	98.8	99.2	99.3	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE	5001	98.8	98.8	99.2	99.3	99,3	99.3	99.5	99.7	99.7	99,7	99.7	99.7	99.8	99.8	99.8	99.8
GE	400		98.8	99.2	99.3	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE	300		98.8	99.2	99.3	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE	200		98.8	99.2	99.3	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE	100	98.8	98.8	99.2	99.3	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE	000	98.8	98.8	99.2	99.3	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	100.0
		,,,,,,				,,,,, 						• • • • • • •					

TOTAL NUMBER OF OBSERVATIONS 591

THE WASHINGTON

0 - 2 - 97

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: NOV HOURS: 21-23 VISIBILITY IN STATUTE MILES CEILING GF GF GE GF GF GE 2 GE GF GF GF IN GE GF GF GE 1 1/2 1 1/4 FEET 1 7 6 5 3 2 1/2 1 3/4 5/8 1/2 3/8 1/4 0 81.5 81.7 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9 NO CEIL 87.7 87.9 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 GE 20000 88.0 88.0 88.0 89.1 GE 18000 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 88.7 88.9 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 88.7 88.9 89.1 89.1 89.1 89.1 89.1 GE 16000 89.1 89.1 89.1 GE 14000 89.7 89.9 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 90.1 91.6 91.6 91.6 91.6 91.6 GE 12000 91.3 91.5 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6 GE 10000 93.0 93.2 93.3 9000 93.0 93.2 93.3 93.3 93.3 93.3 93.3 93.3 GE 94.7 94.9 94.9 94.9 94.9 94.9 94.9 94,9 94.9 94.9 94.9 94.9 94.9 94.9 94.9 8000 94.5 GE 94.9 94.9 94.9 94.9 94.9 94.9 94.9 94.7 94.9 94.9 94.9 94.9 94.9 94.9 GE 7000 94.5 94.9 GE 6000 94.7 94.9 94.9 94.9 95.7 5000 95.4 95.6 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.7 GE 95.9 96.2 96.2 96.2 4500 96.1 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2 GΕ 96.2 96.2 97.3 97.6 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 GΕ 4000 97.1 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 GE 3500 97.1 97.3 97.6 97.8 97.8 97.8 97.8 97.4 97.8 98.1 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3 GF 3000 98.3 98.6 98.6 98.6 98.6 98.5 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 97.8 98.1 GE 2500 99.1 99.1 99.1 99.1 99.1 99.1 GE 2000 98.1 98.6 99.0 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 GE 1800 98.1 98.6 99.0 99.1 99.1 99.1 99.1 99.0 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 GE 1500 98.1 98.6 98.8 99.1 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 99.3 GE 1200 98.3 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GΕ 98.5 99.0 99.3 99.5 99.5 99.5 1000 99.3 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 900 98.5 99.0 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 98.5 99.0 99.3 99.5 99.5 99.5 99.5 99.5 GE 200 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 700 98.5 99.0 99.3 99.5 99.5 99.5 09.5 99.0 99.3 99.5 600 99.5 99.5 00 5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 GE 500 98.5 99.0 99.3 99.5 99.5 99.5 99.5 98.5 99.0 99.3 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.8 99.8 GE 400 99.3 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.8 100.0 99.0 99.5 300 98.5 GE 99.5 99.5 98.5 99.5 99.5 99.5 99.5 99.5 GE 200 99.0 99.3 99.5 99.5 99.5 99.5 99.8 100.0 GE 100 98.5 99.0 99.3 99.5 99.5 99.5 90.5 90.5 99.5 99.8 100.0 000 98.5 99.0 99.3 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.8 100.0 GE

TOTAL NUMBER OF OBSERVATIONS 585

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: NOV HOURS: ALL

CEILING IN GE GE GE GE GE GE GE GE GE GE GE GE GE					LJ	10 011						MON	II. NOT	HOUKS.	ALL			
GE GE GE GE GE GE GE GE	CE.	11 186	• • • • • •				• • • • • •	VICIDIA	1TY 1	TILTATO E	E MILES	• • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	• • • • • • • •	•••••
FEET 7 6 5 4 3 21/2 2 11/2 11/4 1 3/4 5/8 1/2 3/8 1/2 3/8 1/4 0 NO CEIL 75.7 75.7 75.8 75.9 75.9 75.9 75.9 76.0 76.0 76.0 76.0 76.0 76.1 76.1 76.2 76.3 GE 20000 83.7 83.8 83.9 83.9 83.9 83.9 83.9 83.0 85.0 85.0 85.0 85.0 85.1 85.1 85.3 85.3 GE 18000 84.7 84.7 84.8 84.9 84.9 84.9 84.9 85.0 85.0 85.0 85.0 85.0 85.1 85.1 85.3 85.3 GE 16000 84.7 84.7 84.8 84.9 84.9 84.9 84.9 85.0 85.0 85.0 85.0 85.0 85.1 85.1 85.3 85.3 GE 10000 87.2 87.2 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.5 87.5 87.5 87.5 87.5 87.6 87.6 87.6 87.8 87.8 GE 10000 90.0 90.1 90.2 90.3 90.3 90.3 90.3 90.3 90.4 90.4 90.4 90.5 90.5 90.7 90.7 GE 8000 92.2 92.2 92.4 92.4 92.5 92.5 92.5 92.5 92.5 92.6 92.6 92.6 92.6 92.6 92.6 92.7 92.7 92.7 92.9 92.9 GE 7000 92.3 92.4 92.5 92.6 92.6 92.6 92.6 92.7 92.7 92.7 92.7 92.9 92.9 93.0 93.0 GE 6000 90.3 90.4 90.1 90.2 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3			l ce	CE	CE	CE	CE						CE	CE	CE	CE	cr	
NO CEIL 75.7 75.8 75.9 75.9 75.9 75.9 76.0 76.0 76.0 76.0 76.0 76.0 76.1 76.1 76.2 76.3 GE 20000 83.7 83.8 83.9 83.9 83.9 83.9 83.9 84.0 84.0 84.0 84.0 84.0 84.1 84.1 84.3 84.3 GE 18000 84.7 84.7 84.8 84.9 84.9 84.9 84.9 84.9 85.0 85.0 85.0 85.0 85.0 85.1 85.1 85.3 85.3 GE 14000 87.7 87.8 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 GE 18000 89.7 89.7 89.8 89.9 89.9 89.9 89.9 89.9 89.9 89.9 GE 10000 89.7 89.7 89.8 89.9 89.9 89.9 89.9 89.9 89.9 GE 6000 90.0 90.1 90.2 90.2 90.3 90.3 90.3 90.3 90.4 GE 7000 92.3 92.4 92.5 92.6 9																		
GE 20000 83.7 83.8 83.9 83.9 83.9 83.9 83.9 84.0 84.0 84.0 84.0 84.0 84.1 84.1 84.3 84.3 GE 18000 84.7 84.7 84.8 84.9 84.9 84.9 84.9 85.0 85.0 85.0 85.0 85.0 85.1 85.1 85.3 85.3 85.3 EE 14000 84.7 84.7 84.8 84.9 84.9 84.9 84.9 85.0 85.0 85.0 85.0 85.0 85.1 85.1 85.3 85.3 85.3 EE 14000 85.3 85.3 85.4 85.4 85.4 85.4 85.5 85.5 85.5 85.5	r	tt i	1 (0	2	4	3	2 1/2	2	1 1/2	1 1/4	•	3/4	2/0	1/2	3/8	1/4	U
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GE 10000 87.2 87.2 87.4 87.4 87.4 87.4 87.4 87.4 87.5 87.5 87.5 87.5 87.6 87.6 87.6 87.8 87.8 GE 10000 89.7 89.7 89.8 89.9 89.9 89.9 89.9 90.0 90.0 90.0	GE	16000	84.7	84.7	84.8	84.9	84.9	84.9	84.9	85.0	85. 0	85.0	85.0	85.0	85.1	85.1	85.3	85.3
GE 10000 87.2 87.2 87.4 87.4 87.4 87.4 87.4 87.4 87.5 87.5 87.5 87.5 87.6 87.6 87.6 87.8 87.8 GE 10000 89.7 89.7 89.8 89.9 89.9 89.9 89.9 90.0 90.0 90.0	GE	14000	85.3	85.3	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.6	85.6	85.6	85.7	85.7	85.8	85.8
GE 10000 89.7 89.7 89.8 89.9 89.9 89.9 89.9 90.0 90.0 90.0	GE	12000	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.8	87.8
GE 9000 90.0 90.1 90.2 90.2 90.3 90.3 90.3 90.3 90.4 90.4 90.4 90.4 90.5 90.5 90.5 90.7 90.7 GE 8000 92.2 92.2 92.4 92.5 92.5 92.5 92.5 92.5 92.6 92.6 92.6 92.6 92.6 92.7 92.7 92.7 92.9 92.9 GE 7000 92.3 92.4 92.5 92.6 92.6 92.6 92.6 92.7 92.7 92.7 92.7 92.7 92.7 92.9 92.9			i		-	•	-											
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GE 8000 92.2 92.2 92.4 92.4 92.5 92.5 92.5 92.5 92.5 92.6 92.6 92.6 92.6 92.6 92.7 92.7 92.7 92.9 92.9 93.0 93.0 93.1 93.1 93.1 93.1 93.2 93.2 93.2 93.2 93.2 93.2 93.4 93.5 93.5 93.5 93.5 93.5 93.6 93.0 93.1 93.1 93.1 93.1 93.1 93.2 93.2 93.2 93.2 93.2 93.4 93.5 93.5 93.5 93.5 93.6 93.7 93.7 93.8 93.8 93.8 93.9 93.9 93.9 93.9 94.1 94.1 94.2 94.2 94.2 94.2 94.00 94.9 95.0 95.2 95.3 95.4 95.5 95.6 95.6 95.6 95.6 95.6 95.6 95.8 95.8 96.0 96.0 96.0 96.0 96.0 95.6 95.1 95.3 95.4 95.5 95.5 95.5 95.6 95.6 95.6 95.6 95.6			•															
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GE 4500 94.1 94.2 94.4 94.4 94.5 94.5 94.5 94.5 94.6 94.6 94.6 94.6 94.8 94.8 94.8 94.9 94.9 95.0 95.1 95.2 95.3 95.4 95.5 95.6 95.6 95.6 95.6 95.6 95.6 95.6		5000		A7 F	AT (^7 7		07.7	07.0	07.0	07.0	07.0	07.0	07.0	0/ 1	o	0/ 0	0/ 0
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GE 2000 96.7 96.9 97.0 97.2 97.3 97.4 97.8 97.9 97.9 98.0 98.0 98.0 98.3 98.3 98.4 98.4 98.4 98.5 98.5 98.5 1500 97.1 97.2 97.4 97.6 97.8 97.8 97.8 98.2 98.3 98.4 98.4 98.4 98.4 98.4 98.4 98.7 97.8 97.8 97.8 97.8 98.1 98.3 98.4 98.4 98.4 98.4 98.4 98.4 98.7 98.7 98.8 98.8 99.1 99.1 99.1 99.1 99.1 99.1	GΕ	3000	95.6	95.7	95.9	96.1	96.2	96.2	96.4	96.5	96.6	96.6	96.6	96.6	96.9	96.9	97.0	97.0
GE 2000 96.7 96.9 97.0 97.2 97.3 97.4 97.8 97.9 97.9 98.0 98.0 98.0 98.3 98.3 98.4 98.4 98.4 98.5 98.5 98.5 1500 97.1 97.2 97.4 97.6 97.8 97.8 97.8 98.2 98.3 98.4 98.4 98.4 98.4 98.4 98.4 98.7 97.8 97.8 97.8 97.8 98.1 98.3 98.4 98.4 98.4 98.4 98.4 98.4 98.7 98.7 98.8 98.8 99.1 99.1 99.1 99.1 99.1 99.1																		
GE 1800 96.9 97.0 97.2 97.3 97.5 97.5 97.9 98.1 98.1 98.2 98.2 98.2 98.2 98.4 98.4 98.4 98.5 98.5 GE 1500 97.1 97.2 97.4 97.6 97.8 97.8 97.8 98.2 98.3 98.4 98.4 98.4 98.4 98.7 98.7 98.8 98.8 98.8 GE 1200 97.5 97.6 97.8 98.0 98.1 98.2 98.6 98.7 98.7 98.8 98.8 98.8 99.1 99.1 99.2 99.2 GE 900 97.6 97.8 98.0 98.1 98.4 98.4 98.4 98.8 99.0 99.0 99.0 99.0 99.0 99.3 99.3 99.3	GE	2500	96.2	96.3	96.4	96.6	96.7	96.7	97.0	97.1	97.1	97.2	97.2	97.2	97.4	97.4	97.6	97.6
GE 1500 97.1 97.2 97.4 97.6 97.8 98.0 98.1 98.2 98.6 98.7 98.7 98.8 98.8 98.8 99.1 99.1 99.2 99.2 GE 1000 97.6 97.8 98.0 98.1 98.4 98.4 98.8 98.8 98.8 99.1 99.1 99.2 99.2 GE 1000 97.6 97.8 98.0 98.1 98.4 98.4 98.8 98.9 99.0 99.0 99.0 99.0 99.0 99.3 99.3 99	GE	2000	96.7	96.9	97.0	97.2	97.3	97.4	97.8	97.9	97.9	98.0	98.0	98.0	98.3	98.3	98.4	98.4
GE 1200 97.5 97.6 97.8 98.0 98.1 98.2 98.6 98.7 98.7 98.8 98.8 98.8 99.1 99.1 99.2 99.2 GE 1000 97.6 97.7 98.0 98.1 98.3 98.4 98.8 98.9 99.0 99.0 99.0 99.0 99.3 99.3 99.4 99.5 GE 900 97.6 97.8 98.0 98.1 98.4 98.4 98.8 99.0 99.0 99.1 99.1 99.1 99.1 99.3 99.3 99.5 99.5 GE 800 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 700 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 600 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 600 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 400 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 400 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 400 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.8 99.8 GE 300 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0	GE	1800	96.9	97.0	97.2	97.3	97.5	97.5	97.9	98.1	98.1	98.2	98.2	98.2	98.4	98.4	98.5	98.5
GE 1200 97.5 97.6 97.8 98.0 98.1 98.2 98.6 98.7 98.7 98.8 98.8 98.8 99.1 99.1 99.2 99.2 GE 1000 97.6 97.7 98.0 98.1 98.3 98.4 98.8 98.9 99.0 99.0 99.0 99.0 99.3 99.3 99.4 99.5 GE 900 97.6 97.8 98.0 98.1 98.4 98.4 98.8 99.0 99.0 99.1 99.1 99.1 99.1 99.3 99.3 99.5 99.5 GE 800 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 700 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 600 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 600 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 400 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 400 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 400 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.8 99.8 GE 300 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0	GE	1500	97.1	97.2	97.4	97.6	97.8	97.8	98.2	98.3	98.4	98.4	98.4	98.4	98.7	98.7	98.8	98.8
GE 1000 97.6 97.7 98.0 98.1 98.3 98.4 98.8 98.9 99.0 99.0 99.0 99.3 99.3 99.4 99.5 GE 900 97.6 97.8 98.0 98.1 98.4 98.4 98.8 99.0 99.0 99.1 99.1 99.1 99.3 99.3 99.3 99.5 99.5 GE 800 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 700 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 600 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 600 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 600 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 400 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.7 GE 400 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.5 99.8 99.8 GE 300 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0																		
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GE 800 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.2 99.2 99.4 99.4 99.6 99.6 GE 700 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 600 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 500 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 400 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.4 99.6 99.6 GE 400 97.7 97.8 98.1 98.3 98.5 98.5 98.9 99.1 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.8 99.8 GE 300 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.8 99.8 GE 300 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 100 97.7 97.8 98.1 98.3 98.5 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0																		
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GE 400 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.4 99.5 99.8 99.8 GE 300 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 200 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 100 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0 GE 100 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.2 99.4 99.5 99.9 100.0										~ 4	~ 4	~~ ~	~ ~	~ ~	00 (00 (-
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GE 000 97.7 97.8 98.1 98.3 98.5 98.5 99.0 99.1 99.1 99.2 99.2 99.4 99.5 99.9 100.0		i	1															
<u></u>	GE	000	97.7	97.8	98.1	98.3	98.5	98.5	99.0	99.1	99.1	99.2	99.2	99.2	99.4	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 4862

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 LST TO UTC: + 8 MONTH: DEC HOURS: 00-02 CEILING VISIBILITY IN STATUTE MILES GE GE GE IN GE GE GE GE GE GE GE GE 2 1/2 1 1/2 1 1/4 7 6 4 3 2 1 3/4 5/8 FEET 1/2 3/8 1/4 0 NO CEIL 76.6 76.8 77,1 77.3 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77.6 77.8 GE 20000 82.6 82.9 83.1 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.6 83.4 83.6 83.3 83.3 GE 18000 82.4 82.6 82.9 83.1 83.3 83.3 83.3 83.3 83.3 83.3 83.3 83.4 83.6 83.6 83.3 83.3 83.3 82.6 82.9 83.1 83.3 83.3 83.3 83.3 83.3 GE 16000 82.4 83.3 83.4 83.6 83.6 GF 14000 83.3 83.4 83.7 83.9 84.1 84.1 84.1 84.1 84.1 84.1 84.1 84.1 84.1 84.2 84.4 84.4 85.1 85.1 85.1 85.1 85.1 GE 12000 84.2 84.4 84.7 84.9 85.1 85.1 85.1 85.1 85.2 85.4 85.4 GE 10000 86.7 87.6 86.6 87.1 87.2 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.7 87.7 GE 9000 86.6 86.7 87.1 87.2 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.6 87.7 87.7 GF 8000 88.4 88.6 88.9 89.1 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.2 89.4 89.6 89.6 89.1 89.4 89.4 89.4 7000 88.7 89.2 89.4 89.4 89.4 89.4 89.4 89.4 89.6 88.6 89.7 89.7 GE 89.9 89.9 89.9 6000 88.9 89.1 89.6 80.0 80 0 80.0 80 0 89.9 80 0 80 7 90.2 GE 90.0 90.2 90.2 GE 5000 89.6 89.7 90.4 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.7 90.9 90.9 GE 4500 90.0 90.2 90.7 90.9 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.2 91.4 91.4 4000 91.5 92.0 92.2 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.5 92.7 GE 91.4 92.4 92.7 3500 91.4 91.5 92.0 92.2 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.5 92.7 92.7 GF 93.2 94.0 94.0 93.0 93.7 94.0 94.0 94.4 GF 3000 93.9 94.0 94.0 94.0 94.0 94.0 94.2 94.4 GE 2500 93.4 93.5 94.0 94.2 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.9 95.0 95.0 94.5 2000 93.9 94.0 94.7 95.2 95.2 95.2 95.2 95.4 95.5 95.5 95.5 95.5 95.7 95.9 95.9 ĢE 95.7 1800 93.9 94.0 94.5 94.7 95.2 95.2 95.2 95.2 95.4 95.7 95.7 95.7 95.9 GE 96.0 96.0 1500 94.4 94.9 95.0 95.5 95.5 95.5 95.5 95.7 96.0 96.0 96.0 96.0 96.2 96.4 96.4 GE 94.2 97.0 94.7 94.9 95.4 96.2 96.2 96.4 96.7 GE 1200 95.5 96.0 96.0 96.7 96.7 96.7 96.8 97.0 96.8 97.0 97.5 97.5 97.7 97.8 98.0 96.7 97.5 98.0 GΕ 1000 95.4 95.5 96.0 96.2 96.7 96.8 GE 900 95.4 95.5 96.0 96.2 96.7 96.7 96.8 96.8 97.0 97.5 97.7 97.7 97.8 98.0 98.2 98.2 800 95.4 95.5 96.0 96.2 96.7 96.7 96.8 96.8 97.0 97.5 97.7 97.7 97.8 98.0 98.2 98.2 GE 96.8 96.8 97.0 97.5 97.7 97.8 GE 700 95.4 95.5 96.0 96.2 96.7 96.7 97.7 98.0 98.2 98.2 97.3 GF 600 95.7 95.9 96.5 96.7 97.2 98.0 98.2 98.2 98.3 98.5 98.8 98.8 97.3 97.5 98.3 95.9 97.2 97.2 97.3 98.0 98.2 98.8 98.8 95.7 96.5 96.7 98.2 98.5 GE 500 GE 400 95.9 96.0 96,7 97.0 97.5 97.5 97.7 97.7 97.8 98.3 98.5 98.5 98.7 98.8 99.2 99.2 GE 300 95.9 96.0 96.7 97.0 97.5 97.5 97.7 97.7 97.8 98.3 98.5 98.5 98.7 98.8 99.5 99.5 200 95.9 96.0 96.8 97.2 97.7 97.7 97.8 97.8 98.0 98.5 98.7 98.7 99.0 99.2 100.0 100.0 GE 97.8 97.8 100 96.0 96.8 97.7 98.0 98.5 98.7 98.7 99.0 100.0 95.9 100.0 GΕ 000 98.0 98.7 99.0 99.2 100.0 100.0 GE 95.9 96.0 96.8 97.2 97.7 97.7 97.8 97.8 98.5 98.7

TOTAL NUMBER OF OBSERVATIONS 603

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JAN 83 - MAR 90 STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 LST TO UTC: + 8 MONTH: DEC HOURS: 03-05 VISIBILITY IN STATUTE MILES CEILING GE GE GE GE GE GE GE GE GE GE GE GE GE IN GE 1 1/2 1 1/4 2 1/2 3/4 6 5 4 3 2 1 5/8 1/2 3/8 FEET 1/4 0 NO CEIL Í 76.6 77.2 77.5 77.5 77.7 77.7 77.7 77.7 77.7 77.9 77.9 77.9 78.0 78.0 78.2 78.2 82.3 82.5 82.5 82.5 82.5 82.6 GE 20000 81.3 82.0 82.3 82.5 82.6 82.6 82.8 83.0 83.0 GE 18000 82.1 82.5 82.5 82.6 82.6 82.6 82.6 82.6 82.8 82.8 82.8 83.0 83.0 83.1 83.1 81.5 82.5 82.5 82.6 82.6 82.8 82.8 82.6 82.6 82.6 82.8 83.0 83.0 GE 16000 83.1 81.5 82.1 83.1 83.1 82.8 83.0 83.0 83.1 83.1 GE 14000 82.8 83.0 83.0 83.0 83.3 83.3 81.8 82.5 83.4 83.4 84.4 84.6 GE 12000 83.0 83.6 83.9 83.9 84.1 84.1 84.1 84.1 84.1 84.3 84.3 84.3 84.4 84.6 GΕ 10000 85.9 86.6 86.9 86.9 87.0 87.0 87.0 87.0 87.0 87.2 87.2 87.2 87.4 87.4 87.5 87.5 87.0 87.0 87.2 87.2 9000 85.9 86.6 86.9 86.9 87.0 87.0 87.0 87.2 87.4 87.4 87.5 87.5 GE 87.4 87.4 87.5 87.5 87.5 87.5 87.5 87.7 87.7 87.7 87.9 87.9 GE 8000 87.0 88.0 88.0 86.4 87.4 87.5 87.7 GE 7000 86.4 87.0 87.4 87.5 87.5 87.5 87.5 87.7 87.7 87.9 87.9 88.0 88.0 GE 6000 86.9 87.5 87.9 87.9 88.0 88.0 88.0 88.0 88.0 88.2 88.2 88.2 88.4 88.4 88.5 88.5 5000 89.0 89.3 89.3 89.5 89.5 89.5 89.5 89.5 89.7 89.7 89.7 89.8 89.8 90.0 90.0 GE 4500 88.5 89.2 89.5 89.5 89.7 89.7 89.8 89.8 89.8 90.0 90.0 90.0 90.2 90.2 90.3 90.3 GE 91.1 4000 90.8 90.8 91.0 91.0 91.1 91.1 91.3 91.3 91.3 91.5 91.5 91.6 91.6 GE 89.8 90.5 91.1 3500 89.8 90.8 90.8 91.0 91.0 91.1 91.1 91.3 91.3 91.3 91.5 91.5 91.6 91.6 GE 90.5 93.6 93.8 GF 3000 92.1 93.0 93.3 93.3 93.4 93.4 93.6 93.6 03.R 93.8 93.9 93.9 94.1 2500 92.1 93.0 93.3 93.3 93.4 93.4 93.6 93.6 93.6 93.8 93.8 93.8 93.9 93.9 94.1 94.1 GE 93.6 GE 2000 92.5 93.3 93.6 93.8 93.8 94.1 94.1 94.1 94.3 94.3 94.3 94.4 94.4 94.6 94.6 95.1 95.2 1800 93.1 93.9 94.3 94.3 94.4 94.4 94.9 94.9 94.9 95.1 95.1 95.2 95.4 95.4 GE 94.6 94.8 95.2 95.4 95.6 95.6 94.6 94.8 95.2 95.2 95.4 95.4 95.7 95.7 GE 1500 93.4 94.3 95.1 95.1 95.2 95.7 96.1 95.7 95.9 95.9 GE 1200 93.9 94.8 96.2 96.2 96.4 1000 95.1 95.9 96.2 96.2 96.4 96.9 96.9 96.9 97.0 97.0 97.0 97.2 97.2 97.5 97.5 GE 900 95.1 95.9 96.2 96.2 96.4 96.4 96.9 96.9 96.9 97.0 97.5 97.5 97.7 97.7 98.0 98.0 95.1 97.0 97.5 97.7 97.7 800 95.9 96.2 96.2 96.4 96.4 96.9 96.9 96.9 97.5 98.0 98.0 GE 700 95.6 96.7 96.7 96.9 96.9 97.4 97.4 97.4 97.5 98.0 98.0 98.2 98.2 98.5 98.5 GE 96.4 97.0 97.0 97.7 96.9 97.5 98.2 98.2 98.4 98.4 98.7 98.7 GE 600 95.6 96.4 96.9 500 95.6 96.4 96.9 96.9 97.0 97.0 97.5 97.5 97.5 97.7 98.2 98.2 98.5 98.5 98.9 98.9 97.0 98.2 99.0 99.0 99.3 GE 400 95.6 96.4 96.9 96.9 97.0 97.5 97.9 98.0 98.7 98.7 99.3 99.2 97.0 97.7 98.2 98.4 98.9 99.2 99.5 300 95.7 96.6 97.0 97.2 97.2 98.0 98.9 99.5 GE 97.0 97.0 97.7 98.2 98.4 98.9 98.9 99.2 99.2 99.8 97.2 97.2 98.0 99.8 GE 200 95.7 96.6 97.0 98.2 98.4 98.9 98.9 99.2 99.8 GE 1001 95.7 97.0 97.2 97.2 97.7 98.0 000 95.7 96.6 97.0 97.0 97.2 97.2 97.7 98.0 98.2 98.4 98.9 98.9 99.2 99.2 100.0 100.0

100 miles (100 miles)

TOTAL NUMBER OF OBSERVATIONS 610

STORY STATE OF THE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: DEC HOURS: 06-08

CEILING VISIBILITY IN STATUTE MILES

				LJ	. 10 01						MON	n: DEC	HOUK	3; 00-0	0		
	LING								N STATUI			• • • • • • •	•••••	•••••	• • • • • • •	• • • • • •	•••••
	N ET	GE 7	GE 6	GE 5	GE 4	GE 3	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
re	E	·					2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
		i								•••••	•••••	•••••		•••••	• • • • • • •		•••••
NO	CEIL	65.9	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.5	66.7
GE	20000	75.3	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.9	76.0
GE	18000	76.3	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.0	77.1
GΕ	16000	76.3	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.0	77.1
GE	14000	79.6	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.2	80.3
GE	12000	81.3	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.9	82.0
GE	10000	83.3	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.9	84.0
GE	9000	83.3	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.9	84.0
GE	8000	85.3	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.9	86.0
GE	7000	85.3	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.9	86.0
GE	6000	85.4	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.2	86.2	86.2	86.2	86.3	86.5
GE	5000	86.8	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.6	87.6	87.6	87.7	87.9
GΕ	4500	86.8	86.9	87.4	87.4	87.4	87.4	87.4	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.9	88.0
GE	4000	88.8	88.9	89.4	89.6	89.9	89.9	89.9	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.3	90.5
GE	3500	89.1	89.2	89.7	89.9	90.2	90.2	90.2	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.6	90.8
GE	3000	90.9	91.1	91.7	91.9	92.2	92.2	92.2	92.3	92.3	92.3	92.5	92.5	92.5	92.5	92.6	92.8
GE	2500	91.2	91.4	92.0	92.2	92.5	92.5	92.5	92.6	92.6	92.6	92.8	92.8	92.8	92.8	92.9	93.1
GE	2000	92.8	92.9	93.5	93.7	94.2	94.2	94.2	94.5	94.5	94.6	94.8	94.8	94.8	94.8	94.9	95.1
GE	1800	92.9	93.1	93.7	93.9	94.3	94.3	94.3	94.6	94.6	94.8	94.9	94.9	94.9	94.9	95.1	95.2
GE	1500	93.1	93.2	94.0	94.2	94.6	94.6	94.6	94.9	94.9	95.5	95.7	95.7	95.7	95.7	95.9	96.0
GE	1200	93.7	93.9	94.8	94.9	95.4	95.4	95.4	96.0	96.0	96.8	96.9	96.9	96.9	96.9	97.1	97.2
GE	1000	94.0	94.2	95.2	95.5	96.0	96.0	96.0	96.6	96.6	97.4	97.5	97.5	97.5	97.5	97.7	97.8
GE	900	94.2	94.3	95.4	95.7	96.2	96.2	96.2	96.9	96.9	97.7	97.8	97.8	97.8	97.8	98.0	98.2
GE	800	94.2	94.3	95.4	95.7	96.2	96.2	96.2	96.9	96.9	97.7	97.8	97.8	97.8	97.8	98.0	98.2
GΕ	700	94.3	94.5	95.5	95.9	96.3	96.3	96.3	97.1	97.1	97.8	98.0	98.0	98.0	98.0	98.2	98.3
GE	600	94.3	94.5	95.5	95.9	96.5	96.5	96.5	97.4	97.4	98.2	98.3	98.3	98.5	98.5	98.6	98.8
GE	500	94.3	94.5	95.5	95.9	96.5	96.5	96.5	97.4	97.4	98.2	98.3	98.3	98.5	98.5	98.6	98.8
GE	400	94.6	94.8	95.9	96.2	96.8	96.8	96.9	97.8	97.8	98.6	98.8	98.8	98.9	98.9	99.1	99.2
GE	300	94.6	94.8	95.9	96.2	96.8	96.8	96.9	97.8	97.8	98.6	98.8	98.8	98.9	98.9	99.1	99.4
GE	200	94.6	94.8	95.9	96.2	96.8	96.8	96.9	97.8	97.8	98.6	98.8	98.8	99.1	99.2	99.4	99.7
GΕ	100	94.6	94.8	95.9	96.2	96.8	96.8	96.9	97.8	97.8	98.6	98.8	98.8	99.1	99.2	99.5	99.8
GE	0001	94.6	94.8	95.9	96.2	96.8	96.8	96.9	97.8	97.8	98.6	98.8	98.8	99.1	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 651

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: DEC HOURS: 09-11 LST TO UTC: + 8 CEILING VISIBILITY IN STATUTE MILES GE GE GE GE GE GΕ GE GE GF IN GE 2 1/2 2 1 1/2 1 1/4 3 1 3/4 5/8 1/2 3/8 FEET 1/4 n NO CEIL 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 64.9 74.9 GE 20000 74.9 74.9 74.9 74.9 74.9 74.9 74.9 74.9 74.9 74.9 74.9 74.9 74.9 74.9 75.0 76.4 76.4 76.4 76.4 76.4 76.4 76.4 76.4 76.4 76.4 76.4 GF 18000 76.4 76.4 76.4 76.4 76.6 GE 16000 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.6 76.7 GE 14000 79.2 79.2 79.2 79.2 79.2 79.2 79.2 79.2 79.2 79.2 79.2 79.2 79.2 79.2 79.2 79.4 GE 12000 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 10000 84.4 84.4 84.6 GE 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.6 84.7 84.9 84.4 84.6 9000 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.6 84.7 84.9 GE 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.5 85.4 85.4 85.4 85.4 85.4 85.5 85.8 GE 8000 85.7 7000 i 85.7 85.7 85.7 85.7 85.7 85.7 85.7 85.7 85.7 85.7 85.7 GE 85.7 85.8 85.8 86.0 86.1 GE 6000 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.4 86.4 86.4 86.4 86.6 86.6 86.7 86.9 5000 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.4 87.5 87.5 87.5 87.5 87.7 87.7 87.8 88.0 GE GE 4500 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87.8 88.0 88.0 88.0 88.0 88.1 88.1 88.3 88.4 90.1 90.4 GE 4000 90.0 90.0 90.0 90.0 90.1 90.1 90.1 90.3 90.3 90.3 90.3 90.4 90.6 90.8 90.1 90.3 90.3 90.1 90.1 90.3 90.4 90.4 90.4 90.6 90.6 90.8 90.9 GE 3500 90.1 90.3 90.4 91.7 91.8 92.3 GE 30001 91.7 91.7 92.0 92.1 92.1 92.1 92.3 92.3 92.4 92.4 92.6 92.8 92.6 93.2 ĢΕ 2500 92.1 92.1 92.3 92.4 92.8 92.8 92.8 92.9 92.9 92.9 93.1 93.2 93.4 93.5 2000 93.2 93.2 93.4 93.5 93.7 93.8 93.8 93.8 94.0 94.0 94.0 94.1 94.3 94.3 94.5 94.6 GE 93.5 94.0 94.1 94.6 94.6 1800 93.5 93.7 93.8 94.1 94.1 94.3 94.3 94.5 GF 94.3 94.8 94.9 95.4 95.8 94.5 94.9 95.7 95.7 95.7 95.8 96.0 96.1 96.1 96.3 1500 95.1 95.8 GE 94.3 96.5 95.2 95.4 GE 1200 95.8 96.0 96.3 96.6 96.8 96.8 96.9 96.9 96.9 97.1 97.2 97.2 97.5 1000 95.2 95.4 96.0 96.5 96.8 97.2 97.5 97.7 97.7 97.7 97.8 98.0 98.0 98.2 98.3 GE 96.1 95.4 95.2 97.2 97.5 97.7 97.7 97.7 97.8 98.0 GE 900 Í 96.0 96.1 96.5 96.8 98.0 98.2 98.3 96.1 97.2 97.5 97.7 97.7 97.7 800 95.2 95.4 96.5 96.8 97.8 98.0 98.0 98.2 98.3 GE 96.0 97.5 97.8 95.2 95.4 96.5 97.2 97.7 97.7 97.7 98.0 98.0 GE 700 l 96.0 96.1 96.8 98.2 98.3 95 4 96.6 97.4 97.7 97.8 97.8 97.8 98.3 98.5 6001 95.5 96.1 96.3 96.9 98.0 98.6 98.8 98.6 500 95.5 95.8 96.8 96.9 97.2 97.5 98.0 98.3 98.5 98.5 98.5 98.9 99.1 99.2 99.4 97.7 99.1 99.2 400 95.8 96.9 97.1 97.4 98.2 98.5 98.6 98.6 98.8 99.5 99.8 GE 95.5 98.6 99.1 300 95.5 95.8 96.9 97.1 97.4 97.7 98.2 98.5 98.6 98.6 98.6 98.8 99.2 99.5 99.8 GE 97.1 97.4 99.1 200 Í 95.8 97.7 98.2 98.5 98.6 98.6 98.6 98.8 99.2 99.5 99.8 95.5 96.9 GE 97.1 98.2 98.6 98.8 99.2 GE 100 95.5 95.8 96.9 97.4 98.8 98.8 98.9 99.4 100.0 000 | 95.5 95.8 96.9 97.1 97.4 97.7 98.2 98.6 98.8 98.8 98.8 98.9 99.2 99.4 99.7 100.0

TOTAL NUMBER OF OBSERVATIONS 649

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: YONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: DEC HOURS: 12-14 VISIBILITY IN STATUTE MILES CEILING GE GE GE GF GE GE GE IN GE GE GF 7 6 5 4 3 2 1/2 2 1 1/2 1 1/4 1 FEET 3/4 5/8 1/2 3/8 1/4 0 68.3 68.3 68.3 68.3 68.3 68.3 68.5 NO CEIL 68.5 68.5 68.5 68.5 68.5 68.5 68.5 68.5 68.5 GE 20000 76.5 76.5 76.5 76.5 76.5 76.7 76.7 76.5 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76.7 GE 18000 77.5 77.5 77.5 77.5 77.5 77.5 77.7 77.7 77.7 77.7 77.7 77.7 77.7 77.7 77.7 77.7 GE 16000 77.7 77.7 77.7 77.7 77.7 77.7 77.8 77.8 77.8 77.8 77.8 77.8 77.8 77.8 77.8 77.8 GE 14000 78.3 78.3 78.3 78.3 78.3 78.4 78.4 78.4 78.4 78.4 78.3 78.4 78.4 78.4 78.4 78.4 80.5 GF 12000 80.5 80.5 80.5 80.5 80.5 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 GE 10000 85.4 85.4 85.4 85.4 85.4 85.4 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 9000 85.4 85.4 85.4 85.4 85.4 85.4 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 85.6 GE 8000 86.5 86.5 86.5 86.5 GE 86.5 86.5 86.7 86.7 86.7 86.8 86.8 86.8 86.8 86.8 86.8 7000 86.8 86.8 86.8 86.8 86.8 86.8 87.0 87.0 87.0 87.2 87.2 87.2 87.2 87.2 87.2 87.2 GE 87.5 87.5 87.5 87.6 87.8 87.8 6000 87.5 87.5 87.5 87.6 87.6 87.8 87.8 87.8 87.8 GE 88.9 88.9 88.9 88.9 88.9 89.1 89.2 89.2 89.2 89.2 89.2 89.2 89.2 5000 88.9 89.1 89.1 GE 89.5 89.5 89.2 89.2 89.2 89.4 89.4 89.5 89.5 89.5 GE 4500 89.2 89.2 89.2 89.4 89.5 89.5 GE 4000 92.1 92.1 92.1 92.1 92.1 92.1 92.2 92.2 92.2 92.4 92.4 92.4 92.4 92.4 92.4 92.4 3500 93.2 93.2 93.2 93.2 93.2 93.2 93.3 93.3 93.3 93.5 93.5 93.5 93.5 93.5 93.5 93.5 GE GE 3000 94.5 94.5 94.5 94.6 94.6 94.6 94.8 94.8 94.8 94.9 94.9 94.9 94.9 94.9 94.9 94.9 2500 94.8 94.8 94.8 94.9 94.9 94.9 95.1 95.1 95.1 95.2 95.6 95.6 95.6 95.6 95.6 95.6 GE 95.7 95.7 95.0 95.9 95.9 95.7 96.0 96.0 96.2 96.5 96.5 96.5 96.5 96.5 GE 2000 96.0 96.5 96.0 96.0 96.2 96.7 96.7 GE 1800 95.9 95.9 95.9 96.0 96.2 96.2 96.4 96.7 96.7 96.7 96.7 GE 1500 96.5 96.5 96.5 96.7 96.7 96.7 96.8 96.8 96.8 97.0 97.3 97.3 97.3 97.3 97.3 97.3 96.8 96.8 97.0 97.0 97.0 97.3 97.3 97.3 97.5 97.8 97.8 97.8 97.8 GE 1200 97.1 97.3 97.3 97.3 97.6 98.4 98.4 GE 1000 97.1 97.1 97.6 97.6 98.1 98.4 98.4 98.4 98.4 97.1 97.1 97.1 97.3 97.3 97.3 97.6 97.6 97.6 98.1 98.4 98.4 98.4 98.4 98.4 GF 900 98.4 97.6 97.1 97.1 97.1 97.3 97.3 97.3 97.6 97.6 98.6 98.9 98.9 98.9 98.9 98.9 800 98.9 GE 97.1 97.5 97.5 97.5 97.8 99.0 99.0 97.3 97.8 97.8 98.7 99.0 99.0 GE 700 i 97.1 99.0 99.0 GE 600 97.1 97.1 97.3 97.5 97.5 97.5 97.8 97.8 97.8 98.7 99.0 99.0 99.0 99.0 99.0 99.0 97.1 GE 500 97.1 97.3 97.5 97.5 97.5 97.8 97.8 97.8 98.9 99.5 99.5 99.5 99.5 99.5 99.5 400 97.1 97.1 97.5 97.6 97.6 97.6 97.9 97.9 97.9 99.0 99.7 99.7 99.7 99.7 99.7 99.7 GE 97.8 97.8 99.8 300 97.1 97.1 97.6 97.8 98.1 98.1 98.1 99.2 99.8 99.8 99.8 100.0 100.0 GE 97.1 97.8 97.8 97.8 98.1 99.8 97.1 97.6 98.1 98.1 99.2 99.8 99.8 200 99.8 100.0 100.0 GE 97.8 97.1 97.6 97.8 97.8 GF 1001 97.1 98.1 98.1 98.1 99.2 99.8 99.8 99.8 99.8 100.0 100.0 000 97.1 97.1 97.6 97.8 97.8 97.8 98.1 98.1 99.2 99.8 99.8 99.8 100.0 100.0 GΕ

TOTAL NUMBER OF OBSERVATIONS 631

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: DEC HOURS: 15-17 VISIBILITY IN STATUTE MILES CEILING GE GE GE GE GΕ GE GE GE GE GE GE GE IN GF 1 1/2 1 1/4 2 1/2 | 7 5 4 3 2 3/4 FEET 6 1 5/8 1/2 3/8 1/4 NO CEIL (70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1 70.1 78.0 GE 20000 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 GE 18000 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.7 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 79.9 GE 16000 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 GE 14000 80.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 82.2 82.2 82.2 GE 12000 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82.2 GE 10000 86.5 86.5 86.5 86.5 86.5 86.5 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.5 86.7 86.5 86.5 86.5 86.5 86.5 86.7 86.7 86.7 86.7 86.7 86.7 GE 9000 86.5 86.5 86.7 86.7 86.7 88.7 88.7 88.7 88.7 88.9 88.9 88.9 88.9 8000 88.7 88.7 88.7 88.9 88.9 88.9 88.9 88.9 GE 7000 88.9 88.9 88.9 88.9 88.9 88.9 88.9 89.1 89.1 89.1 89.1 89.1 89.1 89.1 89.1 GE 89.1 89.2 89.2 89.2 89.2 89.4 89.4 89.4 89.4 89.4 6000 89.2 89.2 89.4 89.4 89.4 GE 89.4 90.4 90.4 90.5 90.5 90.5 90.5 90.4 90.4 GE 5000 90.4 90.4 90.4 90.5 90.5 90.5 90.5 90.5 4500 90.5 90.5 90.5 90.5 90.5 90.5 90.5 90.7 90.7 90.7 90.8 90.8 90.8 90.8 90.8 90.8 GE 4000 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.4 92.4 92.4 92.6 92.6 92.6 92.6 92.6 92.6 GE 3500 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.6 92.6 92.6 92.8 92.8 92.8 92.8 92.8 92.8 93.7 93.7 93.7 93.7 93.9 94.1 3000 93.7 94.1 94.4 94.5 94.5 94.5 94.7 94.7 94.9 94.9 94.9 94.9 GE 2500 94.2 94.2 94.4 94.7 94.9 94.9 95.5 95.5 95.7 95.8 96.1 GE 2000 96.1 96.1 96.5 96.5 96.6 96.8 96.8 96.8 96.8 96.8 96.8 GE 1800 95.5 95.5 95.7 95.8 96.1 96.1 96.1 96.5 96.5 96.6 96.8 96.8 96.8 96.8 96.8 96.8 97.6 GE 1500 96.0 96.0 96.1 96.3 96.6 96.6 96.6 97.1 97.1 97.4 97.6 97.6 97.6 97.6 97.6 96.6 97.3 97.7 97.7 1200 96.0 96.0 96.1 96.3 1000 96.1 96.1 96.5 96.6 96.9 96.9 96.9 97.6 97.6 98.2 98.4 98.4 98.4 98.4 98.4 98.4 GE 96.9 96.9 96.9 97.6 97.6 98.2 98.4 98.4 98.4 98.4 98.4 96.1 96.5 96.6 GE 900 96.1 98.4 97.3 98.7 96.9 97.9 97.9 98.7 96.9 98.7 98.7 98.7 GΕ 800 96.1 96.1 96.5 96.6 98.6 98.7 97.3 700 96.1 96.1 96.5 96.6 96.9 96.9 97.9 97.9 98.6 98.7 98.7 98.7 98.7 98.7 98.7 GE 97.3 GE 600 96.1 96.1 96.5 96.6 96.9 96.9 97.9 97.9 98.6 98.7 98.7 98.7 98.7 98.7 98.7 97.4 GE 500 96.3 96.3 96.6 96.8 97.1 97.1 98.2 98.2 98.9 99.0 99.0 99.2 99.2 99.4 96.3 96.3 96.8 97.1 97.1 97.4 98.2 98.2 98.9 99.0 99.0 99.2 99.2 99.4 400 96.6 99.4 GE 97.1 97.1 97.4 98.2 99.4 99.4 99.8 99.8 300 96.3 96.3 96.6 96.8 98.2 98.9 100.0 100.0 GE 97.1 97.1 97.4 98.2 99.4 99.4 99.8 GE 200 i 96.3 96.3 96.6 96.8 98.2 98.9 99.8 100.0 100.0 96.6 97.4 99.8 100.0 100.0 100 96.3 96.8 97.1 97.1 98.2 98.2 98.9 99.4 99.4 99.8 0001 96.3 96.3 96.6 96.8 97.1 97.1 97.4 98.2 98.2 98.9 99.4 99.4 99.8 99.8 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 622

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: DEC HOURS: 18-20 LST TO UTC: + 8 VISIBILITY IN STATUTE MILES CEILING GE GE GE GE GE GE GE GE GE GF GE IN GF GF 1 1/2 1 1/4 2 1/2 5 3/4 FEET 6 4 3 1 5/8 1/2 3/8 1/4 0 NO CEIL 74.4 74.4 74.4 74.4 74.4 74.4 74.4 74.4 74.4 74.4 74.4 74.4 74.4 74.4 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 **GE 20000** 80.2 80.2 80.2 80.2 80.2 80.2 80.9 80.9 GE 18000 80.9 GE 16000 80.9 80.9 80.9 80.9 80.9 GE 14000 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 81.6 **GE 12000** 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 83.6 87.7 **GE 10000** 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.9 87.9 87.9 87.9 GΕ 9000 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 87.9 GE 8000 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.9 89.9 GE 7000 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89.9 89,9 89.9 89.9 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.u GE 6000 90.0 90.0 90.0 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 90.9 GE SOOO on o 90.9 on o 91.4 91.4 91.4 GE 4500 91.2 91.2 91.2 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4 92.7 GE 4000 92.5 92.5 92.5 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7 3500 93.2 93.2 93.2 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 93.4 GE GE 3000 GE 2500 94.2 94.2 94.2 94.4 94.4 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.3 94.4 96.8 96.8 96.5 96.5 96.5 96.7 96.8 96.8 96.8 96.8 96.8 GE 2000 96.7 96.7 96.8 96.8 96.8 96.5 96.5 96.7 96.7 96.8 96.8 96.8 96.8 96.8 96.8 GE 1800 96.5 96.7 96.8 96.8 96.8 96.8 97.3 97.3 GE 1500 96.8 96.8 97.0 97.2 97.2 97.2 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.2 GE 1200 96.8 97.0 97.2 97.2 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 98.2 98.2 98.2 98.2 GE 1000 97.5 97.7 97.8 98.0 98.0 98.2 98.2 98.2 98.2 98.2 98.2 97.5 97.5 97.7 97.8 98.0 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 GE 900 98.0 97.5 98.2 97.5 97.7 98.0 98.2 98.2 98.2 98.3 98.3 98.3 98.3 98.3 GF 800 97.8 98.0 98.3 GE 700 97.5 97.5 97.7 97.8 98.0 98.0 98.2 98.2 98.2 98.5 98.7 98.7 98.7 98.7 98.7 98.7 GE 600 97.5 97.5 97.7 97.8 98.0 98.0 98.2 98.2 98.2 98.7 98.8 98.8 98.8 98.8 98.8 98.8 97.7 97.7 97.8 98.0 98.2 98.3 98.3 98.3 98.8 99.0 99.0 99.5 99.5 99.5 99.5 GE 500 98.2 98.3 99.0 GE 400 97.7 97.7 97.8 98.0 98.2 98.2 98.3 98.3 99.2 99.2 99.7 99.7 99.7 99.7 97.7 99.2 GΕ 300 97.7 97.8 98.0 98.2 98.2 98.3 98.3 98.3 99.3 99.3 100.0 100.0 100.0 100.0 97.7 97.8 98.3 98.3 99.3 200 97.7 98.0 98.2 98.2 98.3 99.2 99.3 100.0 100.0 100.0 100.0 GE 97.8 98.0 98.2 98.3 98.3 98.3 99.2 GE 100 97.7 98.2 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 602

000 97.7 97.7 97.8

98.0

98.2 98.2

GΕ

D - 2 - 106

98.3

98.3 98.3

99.2 99.3 99.3 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: DEC HOURS: 21-23

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CEILING								STATUT								
IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	1 7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
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	J							 -								
NO CEIL	75.5	75.5	75.5	75.5	75.5	75.5	75.7	75.7	75.7	75.7	<i>7</i> 5.7	75.7	75.8	75.8	75.8	75.8
	1															
GE 20000	80.3	80.3	80.3	80.3	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.7	80.7	80.7	80.7
GE 18000	1	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	81.0	81.0	81.0	81.0
GE 16000		80.8	80.8	80.8	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.2	81.2	81.2	81.2
GE 14000	81.7	81.8	81.8	81.8	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.2	82.2
GE 12000	84.0	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.5	84.5	84.5	84.5
	i															
GE 10000	87.2	87.3	87.3	87.3	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.7	87.7	87.7	87.7
GE 9000		87.3	87.3	87.3	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.7	87.7	87.7	87.7
GE 8000	88.7	88.8	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.2	89.2	89.2	89.2
GE 7000	i 88.7	88.8	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.2	89.2	89.2	89.2
GE 6000		89.7	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	90.0	90.0	90.0	90.0
GE 0000	07.3	67.7	07.7	67.7	07.7	07.7	07.0	07.0	37.3	07.0	07.0	07.0	90.0	70.0	90.0	90.0
GE 5000	90.3	90.5	90.5	90.5	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8
GE 4500	90.7	90.8	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.2	91.2	91.2	91.2
GE 4000		92.0	92.3	92.3	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.7	92.7	92.7	92.7
												92.8				
GE 3500		92.3	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8		93.0	93.0	93.0	93.0
GE 3000	93.3	93.5	93.8	93.8	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.2	94.2	94.2	94.2
	ì															
GE 2500	93.5	93.7	94.0	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.5	94.5	94.5	94.5
		94.8	95.2	95.3	95.5	95.5	95.8	95.8	95.8	96.0	96.0	96.0	96.2	96.2	96.2	96.2
GE 2000																
GE 1800		95.0	95.3	95.5	95.7	95.7	96.0	96.0	96.0	96.2	96.2	96.2	96.3	96.3	96.3	96.3
GE 1500	95.3	95.5	95.8	96.0	96.2	96.2	96.5	96.5	96.5	96.7	96.7	96.7	96.8	96.8	96.8	96.8
GE 1200	95.3	95.7	96.0	96.2	96.3	96.3	96.8	96.8	96.8	97.3	97.3	97.3	97.5	97.5	97.5	97.5
	}															
4000	1 05 5	04.0	~ 7	07.0	07.7	07.7	07.0	07.0	97.8	00.7	00 F	00 5	00.7	00 7	O0 7	98.7
GE 1000		96.0	96.7	97.0	97.3	97.3	97.8	97.8		98.3	98.5	98.5	98.7	98.7	98.7	
GE 900	95.5	96.0	96.7	97.0	97.3	97.3	97.8	97.8	97.8	98.3	98.5	98.5	98.7	98.7	98.7	98.7
GE 800	95.5	96.0	96.7	97.0	97.3	97.3	97.8	97.8	97.8	98.3	98.5	98.5	98.7	98.7	98.7	98.7
GE 700	95.5	96.0	96.7	97.0	97.3	97.3	97.8	97.8	97.8	98.3	98.5	98.5	98.8	98.8	98.8	98.8
GE 600			97.2	97.5	97.8	97.8	98.5	98.5	98.5	99.0	99.2	99.2	99.5	99.5	99.5	99.5
GE DUU	1 70.0	96.5	71.2	91.5	97.0	71.0	70.3	70.5	70.3	77.0	77.2	77.6	77.3	77.3	77.3	77.3
]															
GE 500	96.0	96.5	97.2	97.5	97.8	97.8	98.5	98.5	98.5	99.0	99.2	99.2	99.7	99.7	99.7	99.7
GE 400	96.0	96.5	97.2	97.5	97.8	97.8	98.5	98.5	98.5	99.0	99.2	99.2	99.8	99.8	99.8	99.8
GE 300		96.5	97.2	97.5	97.8	97.8	98.5	98.5	98.5	99.0	99.2	99.2	99.8	99.8	99.8	99.8
GE 200		96.5	97.2	97.5	97.8	97.8	98.5	98.5	28.5	99.0	99.2	99.2	99.8	99.8	99.8	99.8
GE 100	96.0	96.5	9 7.2	97.5	97.8	97.8	98.5	98.5	98.5	99.0	99.2	99.2	99.8	99.8	100.0	100.0
	1															
GE 000	1 96.0	96.5	97.2	97.5	97.8	97.8	98.5	98.5	98.5	99.0	99.2	99.2	99.8	99.8	100.0	100.0
JE 300	, ,															
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TOTAL NUMBER OF OBSERVATIONS 600

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: DEC HOURS: ALL

				LS	וט טו	L: + 0					MON	IH: DEC	HOURS:	ALL			
CEI	LING	• • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • • •	VISIBI	LITY I	N STATUI	E MILES	 S	• • • • • • •	•••••	•••••	• • • • • • •	• • • • • •	•••••
I		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FE	ET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
•••	• • • • •	 I	•••••	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • •	•••••	• • • • • •	• • • • • • • •	• • • • • • • •	•••••	• • • • • • •	• • • • • •	• • • • • •
NO (CEIL	71.4	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.9	71.9
		İ											_				, , , ,
	20000	78.5	78.7	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.1
	18000	79.4	79.5	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.9	79.9
	16000	79.4	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	80.0
	14000 12000	80.7 82.5	80.8 82.6	80.9 82.7	81.0 82.8	81.0 82.8	81.0 82.8	81.0 82.9	81.0 82.9	81.0 82.9	81.1 82.9	81.1 82.9	81.1 82.9	81.1 82.9	81.1	81.2	81.2
GE	12000	02.5	02.0	02.1	02.0	02.0	02.0	02.7	02.7	02.7	02.7	02.7	02.9	02.9	82.9	83. 0	83.0
GE	10000	85.8	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.4	86.4
GE	9000		86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.4	86.5
GE	8000	87.3	87.5	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.9	88.0
GE	7000		87.6	87.7	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.1	88.1
GE	6000	87.9	88.1	88.2	88.2	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.5	88.5	88.6	88.6
GE	50001	89.0	89.2	89.3	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.7	89.7
GE	4500	89.3	89.5	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.9	89.9	89.9	90.0	90.0	90.1	90.1
GE	4000	91.1	91.2	91.4	91.5	91.6	91.6	91.6	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.9	92.0
GE	3500 i	91.4	91.5	91.7	91.8	91.9	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.2	92.2	92.3	92.3
GE	3000	92.9	93.1	93.3	93.4	93.5	93.5	93.6	93.6	93.6	93.7	93.7	93.7	93.8	93.8	93.9	93.9
05	3500	07.3	07.7	93.6	93.7	93.9	93.9	94.0	94.0	94.0	94.1	94.2	94.2	94.2	0/ 7	94.3	94.4
GE GE	2500		93.3 94.5	94.7	94.9	95.1	95.9 95.1	95.2	95.3	95.4	95.5	95.6	95.6	95.7	94.3 95.7	95.8	95.8
GE	1800	94.5	94.7	94.7	95.1	95.3	95.3	95.5	95.5	95.6	95.7	95.8	95.8	95.9	95.9	96.0	96.0
GE	15001	94.9	95.1	95.5	95.6	95.9	95.9	96.0	96.1	96.2	96.4	96.5	96.5	96.6	96.6	96.7	96.7
GE	1200		95.5	95.9	96.0	96.3	96.3	96.5	96.7	96.7	97.0	97.1	97.1	97.2	97.2	97.3	97.3
GE	1000	95.7	96.0	96.4	96.6	96.9	96.9	97.2	97.4	97.4	97.8	97.9	97.9	98.0	98.0	98.1	98.2
GE	900	95.8	96.0	96.4	96.6	96.9	96.9	97.2	97.4	97.5	97.8	98.0	98.0	98.1	98.1	98.2	98.3
GE	800	95.8	96.0	96.4	96.6	96.9	96.9	97.2	97.5	97.5	97.9	98.1	98.2	98.2	98.3	98.4	98.4
GE	700		96.1	96.5	96.7	97.0	97.0	97.3	97.6	97.6	98.1	98.3	98.3	98.4	98.4	98.5	98.6
GE	600	96.0	96.2	96.7	96.9	97.2	97.2	97.5	97.8	97.8	98.3	98.5	98.6	98.7	98.7	98.9	98.9
GE	500	96.0	96.3	96.8	97.0	97.3	97.3	97.7	97.9	98.0	98.5	98.7	98.8	99.0	99.1	99.2	99.2
GE	400	96.1	96.3	96.9	97.1	97.4	97.5	97.8	98.1	98.2	98.7	99.0	99.0	99.3	99.3	99.5	99.5
GE	300	96.1	96.3	97.0	97.2	97.5	97.5	97.8	98.1	98.2	98.8	99.1	99.1	99.4	99.5	99.7	99.8
GE	200	96.1	96.3	97.0	97.2	97.5	97.5	97.9	98.2	98.2	98.8	99.1	99.1	99.5	99.5	99.8	99.9
GE	100	96.1	96.3	97.0	97.2	97.5	97.5	97.9	98.2	98.2	98.8	99.1	99.1	99.5	99.6	99.9	100.0
GE	0001	96.1	96.3	97.0	97.2	97.5	97.5	97.9	98.2	98.2	98.8	99.1	99.1	99.5	99.6	99.9	100.0
• • • •					• • • • • •	• • • • • •	•••••					• • • • • • •	• • • • • • •				

TOTAL NUMBER OF OBSERVATIONS 4968

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 STATION NUMBER: 724844 LST TO UTC: + 8 MONTH: ALL HOURS: ALL VISIBILITY IN STATUTE MILES CEILING GE GE GE GE 2 1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 FEET 76.9 76.8 76.9 76.9 76.9 NO CEIL (76.8 76.8 76.8 76.8 76.9 76.9 76.9 76.9 76.9 76.9 84.6 **GE 20000** 84.6 84.6 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.7 84.6 85.2 85.2 85.2 85.2 85.2 85.2 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 GE 18000 85.4 85.3 85.3 85.3 85.3 85.3 85.3 85.4 85.4 85.4 85.4 85.4 85.4 GE 16000 85.2 85.4 85.4 85.9 85.9 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 GE 14000 86.1 86.1 GE 12000 87.9 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.0 88.1 88.1 88.1 88.1 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90.5 90.5 GE 10000 90.3 90.5 90.5 90.3 90.6 90.6 GE 9000 90.5 90.5 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.6 90.7 90.7 90.7 90.7 92.1 92.0 92.0 92.0 92.0 8000 91.9 91.9 92.0 92.0 92.0 92.1 92.1 92.1 92.1 92.1 92.1 GE 7000 92.1 92.2 92.2 92.2 92.2 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.4 92.4 93.1 93.1 93.1 93.2 6000 94.4 5000 94.2 94.3 94.3 94.3 94.3 94.4 94.5 GE 94.6 95.7 94.6 94.7 94.5 94.6 94.6 94.6 94.6 94.6 94.7 94.7 94.7 94.7 94.7 94.8 GF 4500 94.5 95.8 95.8 95.7 95.8 95.8 95.8 95.8 95.8 95.8 95.9 95.9 95.9 95.9 4000 95.6 95.6 GE 96.3 96.3 96.4 96.4 96.4 96.4 GE 3500 96.1 96.1 96.2 96.2 96.3 96.3 96.3 96.4 96.4 96.5 97.3 97.4 GE 3000 97.0 97.0 97.1 97.2 97.2 97.3 97.4 97.4 97.3 97.4 97.5 97.5 97.6 97.6 97.6 97.6 97.7 97.7 97.7 97.7 97.7 97.8 97.8 GΕ 2500 97.2 GE 2000 97.7 97.8 98.0 98.0 98.1 98.1 98.2 98.3 98.3 98.3 98.3 98.3 98.4 98.4 98.4 98.4 1800 97.8 97.9 98.0 98.1 98.2 98.2 98.3 98.3 98.3 98.4 98.4 98.4 98.5 98.5 98.5 98.5 GE 98.3 98.5 98.6 98.6 98.7 98.7 98.7 98.7 98.7 98.8 98.8 1500 98.3 98.4 98.6 GE 98.0 98.1 98.9 98.4 98.8 98.9 98.9 99.0 98.1 98.6 98.6 98.8 98.8 99.0 99.0 GE 1200 98.2 98.5 99.1 99.2 99.3 1000 98.3 98.4 98.6 98.7 98.8 98.8 99.0 99.1 99.2 99.2 99.3 99.3 99.3 900 98.6 98.7 98.8 98.9 99.0 99.1 99.1 99.2 99.2 99.3 99.3 99.3 99.4 99.4 GE 98.3 98.4 99.2 800 98.6 98.7 98.9 98.9 99.1 99.2 99.3 99.3 99.4 99.4 99.4 99.5 99.5 GE 98.3 98.4 99.1 99.4 99.5 700 98.3 98.4 98.7 98.8 98.9 98.9 99.2 99.3 99.4 99.5 99.5 99.5 GE 98.7 99.0 600 98.3 98.5 98.8 98.9 GE 98.8 99.0 99.0 99.2 99.3 99.3 99.4 99.5 99.6 99.7 99.7 99.8 99.8 98.7 GE 500 98.4 98.5 99.6 400 98.4 98.5 98.7 98.8 99.0 99.0 99.2 99.3 99.3 99.5 99.6 99.7 99.7 99.8 99.8 99.9 GE 300 98.4 98.5 98.8 98.9 99.0 99.1 99.2 99.3 99.4 99.5 99.6 99.6 99.8 99.8 99.9 200 98.8 98.9 99.1 99.3 99.3 99.4 99.5 99.6 99.7 99.8 99.8 99.9 100.0 GΕ 98.4 98.5 99.0 98.4 98.8 100.0 100.0 99.3 99.4 99.6 99.8 99.8 100.0 100.0 000 98.4 98.5 98.8 98.9 99.0 99.1 99.3 99.5 99.7 GE

TOTAL NUMBER OF OBSERVATIONS: 60651

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: \pm 8

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: JAN HOURS:ALL

AIRWAY CLASSES											
HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS			
00-02	31.6	39.6	14.6	12.8	1.5	28.8	2.9	687			
03-05	31.0	38.8	15.9	13.1	1.3	30.3	3.6	704			
06-08	18.1	43.7	23.5	13.5	1.2	38.2	4.7	741			
09-11	10.3	41.5	34.7	12.2	1.4	48.2	3.4	740			
12-14	9.5	39.3	38.1	12.7	.4	51.2	1.9	725			
15-17	8.3	43.6	35.3	12.5	.4	48.2	2.4	714			
18-20	17.6	45.4	25.1	11.1	.7	37.0	1.7	700			
21-23	28.9	40.0	18.7	11.1	1.3	31.1	.9	695			
ALL HOURS	19.2	41.5	25.9	12.4	1.0	39.3	2.7	5706			

MONTH: FEB HOURS: ALL

								
00-02	28.5	35.5	20.8	14.6	.6	36.0	.9	639
03-05	25.2	36.9	23.0	14.1	.8	37.9	1.5	647
06-08	12.1	44.9	29.7	11.4	1.9	43.0	.7	677
09-11	10.7	41.8	33.6	12.9	1.0	47.6	1.3	675
12-14	9.2	40.7	36.0	14.1		50.1	.9	661
15-17	7.3	39.2	39.0	14.2	.3	53.5	1.4	656
18-20	11.4	45.1	27.5	15.2	.8	43.5	1.2	643
21-23	23.9	38.7	20.5	16.3	.6	37.4	2.0	639
ALL HOURS	15.9	40.4	28.9	14.1	.8	43.7	1.3	5237

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: MAR HOURS:ALL

LST TO UTC: + 8

				AIRWAY CL	ASSES			
HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	25.7	41.6	19.4	13.0	.3	32.8	.7	705
03-05	21.3	45.5	21.1	10.6	1.4	33.2	1.0	714
06-08	7.6	48.0	31.7	11.2	1.5	44.4	1.5	741
09-11	3.8	45.8	38.5	10.6	1.4	50.4	.7	738
12-14	2.6	39.0	42.5	14.9	1.0	58.4	.7	730
15-17	2.5	40.0	40.9	16.3	.3	57.5	1.0	723
18-20	5.9	49.2	30.6	13.7	.6	44.8	-4	707
21-23	18.1	46.9	20.8	14.2		35.0	.4	702
ALL HOURS	10.8	44.5	30.8	13.1	.8	44.7	.8	5760

MONTH: APR HOURS: ALL

00-02	24.9	44.0	21.1	10.1	*********	31.2	.7	587
03-05	21.2	48.9	19.5	10.4		29.9	.2	599
06-08	11.0	48.7	28.6	11.3	.5	40.3	.3	630
09-11	7.9	46.0	37.0	9.0		46.0	.2	630
12-14	4.8	36.3	49.4	9.4		58.9	.2	625
15-17	1.8	35.1	50.3	11.9	1.0	63.1	.8	616
18-20	3.4	48.1	38.9	9.5	.2	48.6	.2	597
21-23	14.7	52.8	25.9	6.6		32.5	.5	591
ALL HOURS	11.1	44.9	34.0	9.8	.2	44.0	.4	4875

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

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PERIOD OF RECORD: JAN 83 - MAR 90

O UTC: + 8 MONTH: MAY HOURS:ALL

,	••••••			AIRWAY CL	SSES			
HOURS (CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	31.4	49.7	15.2	3.8	• • • • • • • • • • • • • • • • • • • •	19.0	.2	612
03-05	22.4	54.6	17.8	4.9	.3	23.0	.2	630
06-08	15.5	53.6	25.8	4.9	.2	30.9	.2	651
09-11	12.1	50.8	33.1	3.9	.2	37.1		644
12-14	5.4	48.6	38.8	7.2		45.9	.3	627
15-17	1.9	49.1	39.2	9.8		49.0	1.0	623
18-20	5.5	54.6	33.3	6.2	.3	39.8		615
21-23	22.1	52.3	21.2	4.2	.2	25.7		612
ALL HOURS	14.5	51.7	28.1	5.6	.1	33.8	.2	5014

MONTH: JUN HOURS: ALL

00-02	32.8	53.7	11.7	1.8	13.6		546
03-05	25.4	58.7	14.1	1.9	16.0		583
06-08	22.3	58.9	17.8	1.0	18.8	.3	623
09-11	13.8	63.5	20.7	2.1	22.8	.3	624
12-14	6.1	62.3	28.2	3.4	31.6	.2	618
15-17	3.4	60.2	32.9	3.4	36.3	.2	611
18-20	6.1	60.1	30.7	3.1	33.8	.2	586
21-23	18.4	61.5	18.2	1.9	20.1		582
ALL HOURS	15.8	59.9	21.9	2.3	24.3	.1	4773

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

STATION NUMBER: 724.44 STATION NAME: TONOPAH TEST RANGE NV

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: JUL HOURS:ALL

LST TO UTC	: +	8
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HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	44.3	38.6	14.6	2.5	• • • • • • • • • • • • •	17.0	.4	528
03-05	33.0	48.9	16.0	2.0		18.1		587
06-08	31.4	49.2	18.3	1.1		19.3	.2	646
09-11	23.6	54.0	21.4	.9		22.4		639
12-14	10.7	58.6	28.3	2.4		30.7		636
15-17	8.5	58.6	30.1	2.8		32.9		635
18-20	11.1	58.4	28.5	1.9		30.4		592
21-23	28.8	53.6	15.9	1.7		17.6		584
ALL Hours	23.5	52.8	21.8	1.9		23.7	.1	4847

MONTH: AUG HOURS: ALL

00-02	40.6	44.2	11.5	3.6	15.1		581
03-05	33.2	51.9	11.7	3.2	14.9	.2	632
06-08	25.4	59.4	14.3	.9	15.2	.6	650
09-11	17.7	64.2	16.2	1.9	18.1	.8	648
12-14	7.1	65.8	25.1	2.0	27.1	.6	650
15-17	5.5	67.5	25.1	1.8	26.9	.5	650
18-20	8.8	62.9	24.5	3.9	28.3	.7	593
21-23	26.5	53.6	15.2	4.6	19.9		584
ALL HOURS	20.3	58.9	18.0	2.7	20.7	.4	4988

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90

MONTH: SEP HOURS:ALL

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HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	47.3	40.7	11.7	.3		12.0	1.6	573
03-05	44.7	43.7	10.1	1.5		11.5	1.1	615
06-08	30.3	54.5	14.7	.5		15.2	1.1	627
09-11	24.5	59.9	14.7	.8		15.5	1.5	611
12-14	15.2	63.6	19.4	1.8		21.2	1.4	624
15-17	12.3	65.8	19.9	2.0		21.9	1.5	612
18-20	20.3	62.2	16.1	1.4		17.5	1.9	571
21-23	40.7	45.9	11.5	1.9		13.4	1.8	567
ALL HOURS	29.2	54.7	14.8	1.3		16.1	1.5	4800

MONTH: OCT HOURS: ALL

21-23 ALL	43.3	37.9	13.1	5.8	18.8		573
18-20	25.3	50.5	19.9	4.2	24.1		572
15-17	10.6	57.0	27.8	4.6	32.4	.3	611
12-14	12.6	55.4	27.0	5.0	31.9		626
09-11	19.3	52.9	24.1	3.8	27.8		607
06-08	25.6	48.8	22.2	3.4	25.6		649
03-05	43.7	37.2	14.8	4.3	19.1		607
00-02	46.9	38.5	10.8	3.8	14.7	• • • • • • • • • • • • • • • • • • • •	572
							

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

HOURS

18.4

47.3

25.8

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: NOV HOURS:ALL

AIRWAY CLASSES TOTAL SCATTERED **BROKEN** HOURS CLEAR **OVERCAST** GT PARTIAL TOTAL (LST) **OBSCURATION** 1/2 **OBSCURATION** OBS 00-02 34.7 41.4 14.9 8.5 .5 23.9 1.5 585 03-05 34.0 38.9 17.5 9.1 .5 27.1 594 3.2 06-08 13.1 50.1 28.1 8.1 3.7 .6 36.8 627

09-11 7.9 52.7 32.1 6.8 .5 39.4 2.1 630 12-14 5.9 51.8 35.5 6.4 .5 42.3 629 1.4 15-17 51.5 5.0 34.8 8.4 .3 43.5 .8 620 49.1 18-20 18.6 23.5 8.6 .2 32.3 1.0 591 21-23 42.1 18.5 .5 585 30.8 8.2 27.2 .3 ALL

8.0

.5

34.3

MONTH: DEC HOURS: ALL

1.8

4861

00-02	34.2	35.3	16.7	12.1	1.7	30.5	2.2	603
03-05	30.5	37.7	18.2	11.1	2.5	31.8	1.5	610
06-08	13.1	43.2	29.3	12.6	1.8	43.8	2.5	651
09-11	8.3	45.6	32.5	12.9	.6	46.1	2.8	649
12-14	7.7	45.4	33.6	13.1	.2	46.8	2.1	634
15-17	8.2	48.5	31.5	11.2	.6	43.3	2.9	623
18-20	23.9	42.8	22.9	9.1	1.3	33.3	1.0	603
21-23	32.5	36.3	17.5	12.3	1.3	31.2	1.5	600
ALL HOURS	19.5	41.9	25.5	11.8	1.2	38.5	2.1	4973

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: ALL HOURS: ALL

AIRWAY CLASSES								
HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	34.8	41.8	15.4	7.6	.4	23.4	1.0	7218
03-05	30.3	45.0	16.7	7.3	.6	24.6	1.1	7522
06-08	18.6	50.1	23.8	6.8	.7	31.3	1.4	7913
09-11	13.1	51.3	28.5	6.7	.4	35.6	1.1	7835
12-14	8.0	50.3	33.6	7.9	.2	41.7	.8	7785
15-17	6.3	51.1	34.0	8.4	.2	42.7	1.1	7694
18-20	13.0	52.1	26.9	7.6	.4	34.8	.7	7 370
21-23	27.2	46.6	18.2	7.7	.3	26.2	.6	7314
ALL HOURS	18.7	48.6	24.8	7.5	.4	32.7	1.0	60651

PPPPP PPPPP			AAAA	RRRRI RRRRI		111111111 111111111	EEEEEEEEE
PP	PP	AA	AA	ŔR	RR	TT	EEEEEEEE
PP	PP	AA	AA	RR	RR	TT	EE EE
PPPPP	PPPP	AA	AA	RRRRI		ΪΪ	EEEEEE
PPPPP	PPP	AAAAA	AAAAA	RRRR	RRRR	11	EEEEEE
PP		AAAAA	AAAAA	RR	RR	ŤŤ	EE
PP		AA	AA	RR	RR	TT	EE
PP		AA	AA	RR	RR	TT	EEEEEEFFEE
PP		AA	AA	RR	RR	TT	EEEEEEEEE

E - 1 - 1

PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE -- CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE
POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS
SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE
YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5,
GE 10, ETC). THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS,
STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES
CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED
DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY"
PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMP-ERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.
THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.
THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO
APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29,
"ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

E - 1 - 2

Control State of the Control of the

TEMPERATURE CONVERSIONS:

F = 1.8C + 32

C = K - 273.0 (BEFORE 5 APRIL 77) C = K - 273.2 (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE
HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED.
THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

E - 1 - 3

TOTAL OBS | 241 219 244 208

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT FROM SUMMARY OF DAY DATA

ANN

.0

.6 2.6

STAT	ION NU	MBER: 72484		TATION NA		OPAH TES	ST RANGE	NV			IOD OF RI TH: ALL	ECORD: 8	208-9003 ALL	
TEM (DE	IP (G-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	••••
GE	105	[•••••	•••••	• • • • • • • •	•••••	• • • • • • • •	.5	• • • • • • • •	• • • • • • • •	••••••	• • • • • • • • •	•••••	• • • •
GE	100	ì					2.4	5.6						
GE	95	Í					7.3	20.9	4.4					
GE	90	İ				4.3	24.8	51.2	29.3	3.0				
GE	85	İ				11.9	50.5	78.1	62.9	16.9	2.1			
GE	80				6.3	31.4	73.3	93.0	87.3	46.8	6.4			
		i	_											

GE 90 GE 85 GE 80 GE 75 GE 70 GE 65 GE 55 GE 40 GE 33 GE 33 GE 30 GE 25 GE 20 GE 15 GE 10	.4 2.9 13.3 21.6 37.3 52.7 73.4 82.6 90.0 95.0 99.6 100.0	.5 2.3 4.1 10.0 30.6 48.9 76.7 90.0 93.2 94.1 97.3 98.6 99.5 100.0	1.2 4.5 18.9 34.8 57.8 73.8 84.8 95.1 99.6 100.0	6.3 23.6 35.1 51.0 68.3 81.7 90.9 96.2 99.5 100.0	4.3 11.9 31.4 52.4 67.1 79.0 88.1 95.7 98.6 99.5 100.0	7.3 24.8 50.5 73.3 87.4 95.6 100.0	20.9 51.2 78.1 93.0 96.7 98.6 100.0	4.4 29.3 62.9 87.3 95.2 98.7 100.0	3.0 16.9 46.8 63.7 77.6 89.5 94.1 97.5 99.2 99.6 100.0	2.1 6.4 14.9 36.6 60.9 76.2 87.2 95.7 99.6 100.0	1.7 8.8 24.3 41.4 58.2 72.4 86.2 92.9 95.0 96.2 98.3 100.0	.4 6.3 28.2 48.3 68.5 76.9 81.9 87.4 95.4 95.1 100.0	2.6 9.0 17.9 27.8 35.1 41.9 49.8 57.0 66.6 75.4 82.8 89.5 94.2 95.9 97.2 98.8 99.6 100.0
MEAN	 41.4 10.06	47.6 10.90	55.5 9.34	64.4 10.47	73.3 10.16	84.1 7.84	89.2 6.64	86.0 6.00	76.2 9.27	66.0 9.04	51.0 10.61	42.5 9.82	64.2 18.88
										•••••		7.06	

206 215 229

210

237 235 239

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT FROM SUMMARY OF DAY DATA

20 15 10 5 0	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	AN
75 70 65 60 55 50 45 40 35 33 30 25 20 15 10	••••••	•••••	•••••	•••••	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •							
-10 1	.4 2.8 6.1 14.6 37.7 57.5 73.3 84.2 93.9 97.2 100.0	1.8 16.9 24.4 39.1 64.9 80.4 89.8 93.8 97.3 98.7 99.6 100.0	.8 2.8 12.6 37.7 47.8 63.6 89.5 97.6 100.0	.5 1.4 5.2 22.4 43.3 66.7 76.7 88.1 99.5 100.0	1.9 14.4 36.3 56.3 78.6 94.9 96.7 99.5 100.0	2.4 9.6 28.8 57.2 83.2 97.6 99.5 100.0	1.4 9.3 29.2 61.1 85.6 97.2 99.1 100.0	2.6 11.8 42.4 87.8 97.8 100.0	.8 8.0 25.2 76.5 90.8 97.5 98.7 99.6 100.0	.8 4.9 20.2 53.5 79.8 87.2 93.8 96.7 99.2 100.0	1.3 6.7 23.8 30.8 47.1 71.7 89.2 94.2 96.3 97.9 100.0	.8 5.7 8.9 17.9 41.1 69.9 84.6 90.2 93.9 97.6 99.2 100.0	1 4 11 30 38 47 59 63 70 82 90 94 96 98 99 100
 [• • • • • • •	26.0	32.2	38.3	 46.1	55.9	61.1	59.1	49.6	39.5	28.3	21.9	39
1	19.8			JU. J	40.1	,,,,			77.0	3		/	

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT FROM SUMMARY OF DAY DATA

STATION NUM	IBER: 724		TATION N		IOPAH TE	ST RANGE	NV			RIOD OF	RECORD: 1	8208-9003 : ALL	
TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANN
GE 90 GE 85 GE 80 GE 75 GE 70 GE 65 GE 60 GE 35 GE 30 GE 35 GE 30 GE 25 GE 30 GE 35 GE 30 GE 25 GE 30 GE 25 GE 0	3.7 22.8 36.5 43.2 55.6 77.2 87.1 95.9 99.2 100.0	1.8 4.6 19.3 50.0 63.8 69.7 79.8 90.4 94.5 97.7 98.6 99.5	.8 7.0 24.6 48.0 75.8 91.0 94.3 98.0 100.0	.5 3.8 19.7 36.1 59.6 79.3 92.3 97.6 99.5 100.0	1.9 11.0 31.9 55.2 74.3 86.2 96.2 100.0	1.5 7.3 29.1 55.8 79.6 93.2 99.5 100.0	.5 6.0 21.9 57.2 86.5 95.8 99.1 100.0	4.8 36.7 77.3 96.1 100.0	4.6 21.9 47.7 68.8 86.9 93.7 98.3 99.6 100.0	5.1 14.0 46.8 71.9 88.5 95.7 99.6 100.0	2.1 11.3 32.2 54.4 76.2 83.3 88.7 94.1 96.7 98.3 100.0	.8 16.0 53.4 63.0 69.7 83.6 89.9 95.4 97.9 100.0	.0 .6 2.7 10.4 20.4 29.0 36.4 44.9 53.1 62.7 74.6 84.3 87.3 90.6 95.3 97.2 98.9 99.6 100.0
MEAN	30.8	37.1	44.1	51.6	59.9	70.3	75.4	72.8	63.1	53.0	39.9	32.3	52.1
SD	9.13	9.45	7.13	8.20	8.26	6.67	5.79	4.32	7.70	7.04	8.89	8.41	17.03
TOTAL OBS	241	218	244	208	210	206	215	229	237	235	239	238	2720

62

70

65

90

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT FROM SUMMARY OF DAY DATA

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: 8208-9003 LST TO UTC: +08 MONTH: ALL HOURS: ALL YEAR JAN FEB MAR APR MAY JUN JUL **AUG** SEP OCT NOV DEC ANNUAL 89* 67* 50* 89* 74* 54* 94* 96* 58* 60* 68* 92* 95* 53 45 93 97 77 94 92 74 74

70*

							• • • • • • •							
GREATEST	65	76	76	84	93	102	105	98	92	85	74	61	105	
TOTAL OBS	241	219	244	208	210	206	21	5	229	237	235	239	238	2721

THE GREATEST VALUE OF OCCURRED ON 07/05/85

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

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MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT FROM SUMMARY OF DAY DATA

STATION NU	MBER:	724844		ATION NA T TO UTC		OPAH TES	T RANGE	NV			IOD OF R TH: ALL	ECORD: 8 HOURS:	3208-9003 ALL	
YEAR	ļ	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	ANNUAL
82 83		17	20	.16	25	29	44	44	50* 47	33 42	30 32*	22 14	15 15	15* 14*
84 85		9	15 -3	20 16	19 30	36 38	40 46	51 55	55 55	38 35	18 19	14 0	-3 9	-3 -3
86 87 88 89 90		16 -6 -7 -1	13 11 18 -7 5	25 20 19 19 21	27 26 29 27	30 37 30 36	48 48 38 48	51 43 59 58	52 51 53 47	26 46 36 36	27 36 37 20	19 20 10 15	11 2 -8 10	11 -6 -8 -7 2*

LEAST	-7	-7	16	19	29	3ხ	43	47	26	18	0	-8	-8	
TOTAL OBS	247													

THE LEAST VALUE OF -8 OCCURRED ON 12/29/88

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

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TOTAL OBS

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT FROM SUMMARY OF DAY DATA

STATION NUM	4BER: 72484		ATION NA		OPAH TES	T RANGE N	V		PER I	IOD OF R	ECORD: HOURS	8208-9003 : ALL	3
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANNUAL
82 83 84 85 86 87 88 89 90	37 35* 26 40 26 26 25 32	40 38* 33 41 37 38 34 35	42 44* 41 47 40 44 48 47	43 47 56 50 53 52 58	56 62* 62 62 58 59 61	73 70 71 70	71: 73 81 73 73 79 78	69* 70 71 77 73 75 75 71	60 65 67 62 57 68 64 61	94* 54* 48 53 51 59 58 52	NOV 37 40 41 32 43 43 40 43	33* 36* 27 35 36 27 29 36	ANNUAL 47* 52* 52* 53 54 53 53 53 53 58*
MEAN	30.8	 37.1	44.1 5	51.6 5	9.9 70		72.8	63.1	53.0	39.9		52.1	

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

241 218 244 208 210 206 215 229 237 235 239 238

E - 4 - 1

2720

DRY BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN

		LS	T TO UTC: + 8	8 MONTH: JAN
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL LE 0 LE 32 GE 65 GE 80 GE 93 HOURS
00-02	25.0	9.285	687	2 529 0 0 0 687
03-05	23.5	9.460	704	9 582 0 0 0 704
06-08	23.4	9.523	741	8 618 0 0 0 741
09-11	31.2	9.662	740	0 393 0 0 0 740
12-14	39.0	9.783	725	0 183 0 0 0 725
15-17	38.6	9.962	714	0 183 1 0 0 714
18-20	31.2	9.018	700	0 361 0 0 0 700
21-23	27.7	8.933	695	0 462 0 0 0 695
ALL HOURS	30.0	11.133	5706	19 3311 1 0 0 5706
				MONTH: FEB
00-02	31.1	8.899	639	3 330 0 0 0 639
03-05	29.0	8.968	647	8 401 0 0 0 647
06-08	28.8	9.126	677	5 429 0 0 0 677
09-11	37.5	10.002	675	1 188 0 0 0 675
12-14	44.9	10.922	661	0 80 19 0 0 661
15-17	45.9	11.080	656	0 63 23 0 0 656
18-20	38.0	9.821	643	3 166 0 0 0 643
21-23	34.0	9.100	639	4 233 0 0 0 639
ALL HOURS	36.2	11.628	5237	24 189 0 42 0 0 5237

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DRY BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90

			LST TO UTC: +	8	ANOL NV		MONT	H: MAR	CORP: JA	M 03 - M/	4K 9U
HOURS LST	MEAN	STANDARD DEVIATIO			MEAN	NUMBER LE 0	OF HOUR	S WITH	TEMPERATU GE 80	RES DEG I	TOTAL HOURS
00-02	37.9	7.324	705	• • • • • • • • • • • • • • • • • • • •	•••••		179	0	0	0	705
03-05	35.1	7.036	714			0	278	0	0	0	714
06-08	36.4	7.358	741			0	230	0	0	0	741
09-11	46.8	8.835	738			0	33	12	0	0	738
12-14	53.0	9.536	730			0	10	102	0	0	730
15-17	53.6	9.685	723			0	9	105	0	0	723
18-20	46.9	8.650	707			0	37	5	0	0	707
21-23	41.7	7.913	702			0	93	0	0	0	702
ALL HOURS	44.0	10.760	5760			0	869	224	0	0	5760
							MONTH	I: APR			
00-02	44.0	8.474	589	•••••	• • • • • • • • • • • • • • • • • • • •	0	60	9	0	0	589
03-05	40.7	7.787	599			0	98	4	0	0	599
06-08	45.0	8.639	630			0	53	7	0	0	630
09-11	56.5	10.216	630			0	0	154	0	0	630
12-14	62.2	10.563	625			0	0	283	14	0	625
15-17	62.3	11.178	616			0	0	284	24	0	616
18-20	55.6	10.514	597			0	7	132	1	0	597
21-23	48.8	9.423	592			0	27	28	0	0	592
ALL HOURS	52.0	12.495	4878			0	245	901	39	0	4878

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HOURS

11.826

DRY BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: MAY TOTAL MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL **HOURS** MEAN STANDARD LE 0 LE 32 OBS GE 65 GE 80 DEVIATION GE 93 HOURS LST 00-02 51.6 8.100 03-05 47.9 7.690 9.490 06-08 55.1 a 09-11 10.878 65.6 12-14 70.7 10.592 15-17 71.2 10.370 64.9 10.140 18-20 21-23 57.2 8.880 HOURS 60.5 12.617 MONTH: JUN 00-02 61.4 6.638 03-05 57.2 6.501 06-08 65.3 7.819 09-11 8.457 76.4 8.100 12-14 81.8 15-17 82.2 8.395 8.530 18-20 76.6 21-23 7.783 68.3 ALL

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DRY BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION	NUMBER:	724844 S	STATION NAME:	TONOPAH TEST	RANGE NV		PER IO	D OF RE	ECORD: J	AN 83 - M	AR 90
HOURS LST			TOTAL OBS		MEAN	NUMBER LE 0	OF HOUR		TEMPERAT GE 80	URES DEG GE 93	F TOTAL HOURS
00-02	66.3	6.086	528		••••••	0	0	337	6	0	528
03-05	62.2	5.886	587			0	0	219	0	0	587
06-08	70.0	6.969	646			0	0	506	63	0	646
09-11	81.6	7.154	639			0	0	626	422	30	639
12-14	87.1	6.966	636			0	0	635	558	129	63 6
15-17	87.3	7.603	635			0	0	627	555	143	635
18-20	81.1	7.956	592			0	0	574	3 67	39	59 2
21-23	72.8	6.767	584			0	0	504	97	0	584
ALL HOURS	76.4	11.302				0	0	4028	2068	341	4847
							MONTH	: AUG			
00-02	65.0	4.849	581		•••••	0	0	299	1	0	581
03-05	61.0	4.683	632			0	0	132	0	0	632
06-08	66.5	6.107	650			0	0	400	8	0	650
09-11	78.8	6.196	648			0	0	634	320	0	648
12-14	84.1	6.664	650			0	0	639	518	39	650
15-17	84.5	6.757	650			0	0	643	527	57	6 50
18-20	77.9	6.985	593			0	0	571	256	0	593
21-23	70.8	5.927	584			0	0	487	45	0	584
ALL HOURS	73.7	10.457	4988			0	0	3805	1675	96	4988

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DRY BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90

		LST	TO UTC: +	8 MONTH: SEP	
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL LE 0 LE 32 GE 65 GE 80 GE 93 HOURS	
00-02	56.0	7.694	573	0 2 77 0 0 573	
03-05	52.1	7.365	615	0 5 24 0 0 615	
06-08	55.7	8.398	627	0 2 91 0 0 627	
09-11	69.0	8.768	612	0 0 439 63 0 612	
12-14	75.1	8.813	625	0 0 542 226 0 625	
15-17	75.6	8.844	612	0 0 537 254 0 612	
18-20	67.5	8.884	571	0 0 381 44 0 571	
21-23	60.9	8.372	567	0 0 200 6 0 567	
ALL HOURS	64.1	12.004	4802	0 9 2291 593 0 4802	
				MONTH: OCT	
00-02	45.4	7.168	572	0 26 0 0 572	
03-05	42.4	6.878	607	0 45 0 0 0 607	
06-08	44.8	7.765	649	0 41 4 0 0 649	
09-11	57.8	9.076	607	0 1 142 2 0 607	
12-14	65.1	9.379	626	0 0 367 37 0 626	
15-17	64.5	9.544	611	0 2 335 34 0 611	
18-20	55.1	8.402	573	0 3 82 0 0 573	
21-23	49.5	7.673	5 73	0 17 12 0 0 573	
ALL HOURS	53.1	11.822	4818	0 135 942 73 0 4818	i

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DRY BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: NOV

TΟ	UTC:	+ 8	•	MONTH:	NC
ŧυ	UIC:	+ (,	MUNIN:	N

		Lo	T TO UTC: + 8			MONTH	: NUV			
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER LE 0	OF HOUR	S WITH GE 65	TEMPERATU	JRES DEG F GE 93	TOTAL HOURS
00-02	34.3	9.088	585		0	232	0	0	0	585
03-05	32.1	9.031	594		1	291	0	0	0	594
06-08	32.5	9.181	627		1	298	0	0	0	627
09-11	42.7	10.429	630		0	107	3	0	0	630
12-14	49.7	11.047	630		0	48	42	0	0	630
15-17	48.4	11.212	620		0	53	31	0	0	620
18-20	41.1	9.990	591		0	115	0	0	0	591
21-23	36.8	9.423	585		0	177	0	0	0	585
ALL HOURS	39.8	11.885	4862		2	1321	76	0	0	4862
						MONTH	: DEC			
00-02	26.4	8.639	603		6	MONTH 457	: DEC	o	0	603
00-02	26.4 24.8	8.639 8.551	603 610		6 10			0	0 0	603 610
				•••••		457	0			
03-05	24.8	8.551	610	•••••	10	457 520	0	0	0	610
03-05 06-08	24.8 25.0	8.551 8.582	610 651		10 7	457 520 532	0	0	0	610 651
03-05 06-08 09-11	24.8 25.0 33.4	8.551 8.582 9.007	610 651 649	•••••	10 7 0	457 520 532 255	0 0 0	0 0	0 0	610 651 649
03-05 06-08 09-11 12-14	24.8 25.0 33.4 40.8	8.551 8.582 9.007 9.815	610 651 649 634		10 7 0	457 520 532 255 134	0 0 0 0	0 0 0	0 0 0	610 651 649 634
03-05 06-08 09-11 12-14 15-17	24.8 25.0 33.4 40.8 39.2	8.551 8.582 9.007 9.815 10.335	610 651 649 634 623		10 7 0 0	457 520 532 255 134 149	0 0 0 0 0	0 0 0	0 0 0 0 0	610 651 649 634 623

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DRY BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: \pm 8

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: ALL

HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBE	R OF HOUF LE 32		TEMPERAT	URES DEG I	TOTAL
00-02	44.5	16.081	7220	 11	1818	928	7	0	7220
03-05	41.9	15.252	7523	28	2231	482	0	0	7523
06-08	45.2	18.077	7913	21	2204	1453	91	0	7913
09-11	55.8	19.650	7836	1	977	2938	1112	41	7836
12-14	62.3	19.085	7786	0	455	3680	1899	220	7786
15-17	62.4	19.496	7694	0	459	3651	1953	268	7694
18-20	55.0	19.519	73 71	3	953	2611	933	52	7371
21-23	49.1	17.695	7314	5	1382	1776	197	0	7314
ALL HOURS	52.1	19.690	60657	69	10479	17519	6192	581	60657

WET BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90

		LST	TO UTC: +	8		MONTH:	JAN			70
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	ι	LE 32	OF HOURS (GE 50 GI			S DEG F	TOTAL
00-02	22.0	8.159	687	• • • • • • • • • • • • • • • • • • • •	643	0	0	0	c	687
03-05	20.7	8.413	704		667	0	0	0	0	704
06-08	20.6	8.484	741		702	0	0	0	0	741
09-11	26.5	7.732	740		565	0	0	0	0	740
12-14	31.9	6.817	722		388	0	0	0	0	722
15-17	31.7	6.915	714		384	0	0	0	0	714
18-20	26.7	7.264	700		551	0	0	0	0	700
21-23	24.0	7.636	695		621	0	0	0	0	695
ALL HOURS	25.5	8.818	5703	4	4521 	0	0	0	0	5703
						MONTH:	FEB			
00-02	26.9	7.726	639		501	0	0	0	0	639
03-05	25.5	8.009	647		534	0	0	0	0	647
06-08	25.2	8.190	677		558	0	0	0	0	677
09-11	31.1	7.982	675		357	0	0	0	0	675
12-14	35.3	7.743	661		221	12	0	0	0	661
15-17	35.8	7.622	656		203	10	0	0	0	656
18-20	31.5	7.630	643		327	0	0	0	0	643
21-23	28.9	7.516	639		432	0	0	0	0	639
ALL HOURS	30.0	8.710	5237	3	3133	22	0	0	0	5237

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WET BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATIO	NUMBER:		ATION NAME:	: TONOPAH TEST RA	ANGE NV		ERIOD ONTH:		CORD: J	AN 83 - M	1AR 90
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	• • • • • • • • • • • • • • • • • • • •		32 GE		WITH GE 67	TEMPERAT	URES DEG GE 80	F TOTAL HOURS
00-02	31.8	5.724	705	• • • • • • • • • • • • • • • • • • • •	36		0	0		0	705
03-05	30.0	5.727	714		46	0	0	0	0	0	714
06-08	30.9	5.835	741		43	6	0	0	0	0	741
09-11	37.1	5.992	737		18	8	10	0	0	0	73 7
12-14	40.0	5.862	728		8	2	24	0	0	0	728
15-17	40.1	5.772	721		8	0 :	24	G	0	0	721
18-20	36.7	5.700	7 07		17	2	3	0	0	0	707
21-23	34.0	5.772	702		28	2	0	0	0	0	702
ALL HOURS	35.1	6.934	5755		206	7	61	0	0	0	5755
						M	HTMC:	APR			
00-02	35.3	6.092	589		18	6	1	0	0	0	589
03-05	33.4	6.016	599		24	2	1	0	0	0	599
06-08	36.1	6.080	630		17	7	4	0	0	0	630
09-11	42.3	6.040	630		4	5	71	0	0	0	630
12-14	44.7	5.749	625		2	1 1	47	0	0	0	625
15-17	44.6	5.904	616		2	8 14	40	0	0	0	616
18-20	41.3	6.010	597		6	3	40	0	0	0	597
21-23	37.9	6.000	592		11	7	12	0	0	0	592
ALL HOURS	39. 5	7.236	4878		87	9 4	16	0	0	0	4878

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18-20

21-23

ALL

HOURS

53.5

49.8

4.290

4.532

5.968

586

582

WET BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: MAY HOURS MEAN STANDARD TOTAL MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL LE 32 GE 50 LST DEVIATION **08**S GE 67 GE 73 GE 80 HOURS 00-02 40.6 5.512 612 56 25 0 0 612 03-05 38.6 5.627 631 101 0 0 631 06-08 42.9 6.081 650 32 103 0 650 09-11 47.8 6.079 643 290 0 0 0 643 12-14 49.7 5.522 0 347 0 0 0 626 626 15-17 49.7 5.227 623 0 347 0 0 623 18-20 46.9 5.472 615 5 217 0 0 615 5.495 612 21 79 21-23 43.4 612 ALL 45.0 6.858 5012 219 1414 0 0 0 5012 HOURS MONTH: JUN 00-02 4.571 546 546 46.9 0 166 0 0 0 03-05 44.7 583 3 583 4.831 118 0 0 ٥ 06-08 49.2 4.871 623 0 296 0 0 0 623 09-11 53.9 4.474 624 0 529 0 0 0 624 12-14 55.7 4.184 618 0 571 0 0 0 618 15-17 55.8 3.966 611 0 572 0 0 0 611

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0

0

489

301

3042

0

0

0

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586

582

4773

WET BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV

PERIOD OF RECORD: JAN 83 - MAR 90

01111101		LS	T TO UTC: + 8			MONTH	: JUL	JONE : UNI		AII 70
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NU Le	E 32		S WITH	TEMPERATUR GE 73	ES DEG GE 80	F TOTAL HOURS
00-02	50.0	5.385	528	••••••	0	267	0	0		528
03-05	48.2	5.794	587		0	242	0	0	0	587
06-08	52.8	5.304	646		0	455	0	0	0	646
09-11	57.9	4.165	639		0	619	3	0	0	639
12-14	59.8	3.733	636		0	626	13	0	0	636
15-17	59.6	3.516	634		0	624	5	0	0	634
18-20	56.8	4.066	592		0	559	1	0	0	592
21-23	53.3	4.864	584		0	456	0	0	0	584
ALL HOURS	55.0	6.198	4846		0	3848	22	0	0	4846
						MONTH:	: AUG			
00-02	50.8	5.390	581	• • • • • • • • • • • • • • • • • • • •	0	327	0	0	0	581
03-05	48.8	5.734	632		0	280	0	0	0	6 3 2
06-08	52.0	5.366	650		0	431	0	0	0	650
09-11	57.7	3.913	648		0	632	3	0	0	648
12-14	59.3	3.558	649		0	646	6	0	0	649
15-17	59.1	3.343	650		0	647	3	0	0	650
15-17 18-20	59.1 56.4	3.343 4.064	650 593		0	647 559	3 0	0 0	0	650 593
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WET BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: SEP

		LS	1 10 010: + 6	MONTH: SEP
HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL LE 32 GE 50 GE 67 GE 73 GE 80 HOURS
00-02	43.7	6.199	573	22 99 0 0 0 573
03-05	41.6	6.276	615	42 65 0 0 0 615
06-08	43.8	6.627	627	26 125 0 0 0 627
09-11	50.8	5.648	612	0 376 0 0 0 612
12-14	53.1	4.955	625	0 487 0 0 0 625
15-17	53.1	4.739	612	0 480 0 0 0 612
18-20	49.3	5.382	571	0 286 0 0 0 571
21-23	46.1	5.944	567	5 167 0 0 0 567
ALL HOURS	47.7	7.139	4802	95 208 5 0 0 0 4802
				MONTH: OCT
00-02	36.9	5.410	572	100 2 0 0 0 572
03-05	35.1	5.546	607	147 0 0 0 0 607
06-08	36.8	5.894	649	119 5 0 0 0 649
09-11	44.3	5.452	607	24 95 0 0 0 607
12-14	47.5	5.157	626	7 253 0 0 0 626
15-17	46.9	5.189	611	8 209 0 0 0 611
18-20	42.2	5.176	573	34 17 0 0 0 573
21-23	39.1	5.326	573	68 7 0 0 0 573
ALL HOURS	41.1	7.037	4818	507 588 0 0 0 4818

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WET BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: NOV HOURS MEAN STANDARD TOTAL MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL LST DEVIATION OBS LE 32 GE 50 GE 67 GE 73 GE 80 HOURS 00-02 28.8 7.450 404 585 0 0 585 03-05 27.3 7.640 593 447 0 0 0 0 593 27.7 06-08 7.654 626 459 ٥ 626 09-11 34.4 7.607 630 236 5 0 0 0 630 38.4 7.101 630 12-14 124 25 0 0 0 630 15-17 37.5 7.273 620 137 14 620 18-20 33.1 7.241 591 247 591 0 0 21-23 30.3 7.330 585 343 ۵ 0 D 0 585 ALL HOURS | 32.3 8.475 4860 2397 0 0 0 4860 MONTH: DEC 00-02 23.0 7.823 602 0 548 ٥ 0 0 602 03-05 7.862 21.9 610 558 0 0 0 0 610 06-08 22.2 8.044 651 584 651 09-11 28.2 7.558 649 448 0 0 649 12-14 32.9 7.131 634 229 0 0 0 0 634 15-17 31.8 7.440 623 281 0 0 0 0 623 18-20 26.9 7.527 603 473 0 0 0 0 603 21-23 24.6 7.782 599 527 0 0 0 599 0 ALL HOURS | 26.5 8.638 4971 3648 0 0 0 0 4971

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WET BULB TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER LE 32	OF HOUR	S WITH GE 67	TEMPERATI	URES DEG GE 80	F TOTAL HOURS
00-02	35.8	11.631	7219	• • • • • • • • • • • • • • • • • • • •	2827	887	0	0	0	7219
03-05	34.4	11.536	7522		3201	712	0	0	0	7522
06-08	36.4	12.918	7911		3093	1419	0	0	0	7911
09-11	42.3	12.507	7834		1867	2627	6	0	0	7834
12-14	45.4	11.279	7780		1072	3138	19	0	0	7780
15-17	45.3	11.362	7691		1121	3067	8	0	0	7691
18-20	41.4	12.099	<i>7</i> 371		1872	2170	1	0	0	7371
21-23	38.3	11.925	7314		2416	1472	0	0	0	7314
ALL HOURS	40.0	12.588	60642		17469	15492	34	0	0	60642

DEW POINT TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JAN

		LST	TO UTC: + 8	MONTH: JAN
HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL LE 27 GE 37 LE 55 GE 65 HOURS
00-02	13.9	9.171	687	643 0 687 0 687
03-05	12.8	9.439	704	664 0 704 0 704
06-08	12.8	9.658	741	699 0 741 0 741
09-11	16.6	8.695	740	659 2 740 0 740
12-14	19.3	7.686	722	616 6 722 0 722
15-17	19.4	7.687	714	606 6 714 0 714
18-20	17.1	8.172	700	638 4 700 0 700
21-23	15.4	8.688	695	652 2 695 0 695
ALL HOURS	15.9	9.050	5703	5177 20 5703 0 5703
				MONTH: FEB
00-02	18.0	9.379	639	553 9 639 0 661
03-05	17.2	9.629	647	560 10 647 0 661
06-08	16.8	9.946	677	591 11 677 0 661
09-11	19.1	9.706	675	554 20 675 0 661
12-14	19.6	9.311	661	537 20 661 0 661
15-17	19.4	9.199	656	527 19 656 0 661
18-20	19.5	9.375	643	518 11 643 0 661
21-23	18.8	9.325	639	539 10 639 0 661
ALL HOURS	18.6	9.573	5237	4379 110 5237 0 5237

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DEW POINT TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION	NUMBER:	ı	LST TO UTC: +				MONTH:	MAR	ECORD: JAN	33 - MAR	90
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL N OBS		MEAN	NUMBER LE 27	OF HOURS GE 37	WITH			TOTAL HOURS
00-02	20.6			•••••••••		568	14	705	0	• • • • • • • •	705
03-05	20.3	7.928	714			586	6	714	0		714
06-08	20.8	7.861	741			593	13	741	0		741
09-11	21.8	8.477	737			528	28	737	0		73 7
12-14	20.5	8.882	728			549	22	728	0		728
15-17	19.6	9.002	7 21			570	18	721	0		721
18-20	20.4	8.877	707			544	21	707	0		707
21-23	20.7	8.625	702			541	19	702	0		702
ALL HOURS	20.6	8.532	5755			4479	141	5755	0		5755
							MONTH:	APR			
00-02	21.1	8.703	589	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • •	442	27	589	0	• • • • • • •	625
03-05	20.7	8.549	599			456	23	599	0		625
06-08	22.0	8.132	630			457	21	630	0		625
09- 1	22.6	7.947	630			449	19	630	0		625
12-14	21.2	7.857	625			488	19	625	0		625
15-17	20.5	7.849	616			498	19	616	0		625
18-20	20.4	8.448	597			475	30	597	0		625
21-23	21.0	8.428	592			450	21	592	0		625
ALL HOURS	21.2	8.296	4878			3715	179	4878	0		4878

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NAME OF THE OWNER OWNER OF THE OWNER

DEW POINT TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: MAY

		LST	TO UTC: + 8	8 MONTH: MAY	
HOURS	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27 GE 37 LE 55 GE 65	TOTAL HOURS
00-02	25.1	9.025	612	372 65 612 0	612
03-05	24.9	8.634	631	387 54 631 0	631
06-08	27.0	8.399	650	341 88 650 0	650
09-11	26.6	7.858	643	349 68 643 0	643
12-14	25.1	7.662	626	413 49 626 0	626
15-17	24.4	7.413	623	441 44 623 0	623
18-20	24.1	8.565	615	419 60 615 0	615
21-23	24.8	9.272	612	385 75 612 0	612
ALL HOURS	25.3	8.453	5012	3107 503 5012 0	5012
				MUL: HTMOM	
00-02	29.2	9.590	546	MONTH: JUN 258 126 546 0	618
00-02	29.2 28.7	9.590 9.269	546 583	• • • • • • • • • • • • • • • • • • • •	618 618
· i				258 126 546 0	
03-05	28.7	9.269	583	258 126 546 0 288 122 583 0	618
03-05 06-08	28.7 31.0	9.269 8.663	583 623	258 126 546 0 288 122 583 0 228 162 623 0	618 618
03-05 06-08 09-11	28.7 31.0 30.9	9.269 8.663 7.875	583 623 624	258 126 546 0 288 122 583 0 228 162 623 0 216 142 624 0	618 618
03-05 06-08 09-11 12-14	28.7 31.0 30.9 29.7	9.269 8.663 7.875 7.308	583 623 624 618	258 126 546 0 288 122 583 0 228 162 623 0 216 142 624 0 230 104 618 0	618 618 618 618
03-05 06-08 09-11 12-14 15-17	28.7 31.0 30.9 29.7 29.5	9.269 8.663 7.875 7.308 7.564	583 623 624 618 611	258 126 546 0 288 122 583 0 228 162 623 0 216 142 624 0 230 104 618 0 258 95 610 0	618 618 618 618

DEW POINT TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: \pm 8

PERIOD OF RECORD: JAN 83 - MAR 90

MONTH:	JU

		LJ	1 10 010. 7 0	MONTH: JUL	
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27 GE 37 LE 55 GE 65	TOTAL
00-02	30.9	12.440	528	251 190 522 0	528
03-05	31.2	12.505	587	271 211 575 0	587
06-08	34.7	11.566	646	224 281 625 0	646
09-11	36.3	9.855	639	149 292 619 0	639
12-14	35.7	8.905	636	119 259 621 0	636
15-17	34.9	8.701	634	128 235 622 0	634
18-20	33.4	10.113	592	198 209 584 0	592
21-23	32.4	12.035	584	257 230 577 0	584
ALL	33.8	10.977	4846	1597 1907 4745 0	4846
				MONTH: AUG	
00-02	34.6	13.579	 581	217 274 555 0	649
03-05	34.2	13.327	632	243 292 604 0	649
06-08	36.4	12.404	650	202 32 611 0	649
09-11	38.5	10.976	648	117 336 605 0	649
12-14	37.3	10.506	649	120 305 613 0	649
15-17	36.2	10.536	650	154 274 623 0	649
18-20	35.4	11.979	593	192 257 562 0	649
21-23	35.2	12.987	584	192 276 553 0	649
ALL	: · -				- .,
HOURS	36.0	12.144	4987	1437 2337 4726 0	4987

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DEW POINT TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATI 4 NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: SEP

		Loi	10 UIC: + 8	MONTH: SEP	
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS		OTAL OURS
00-02	27.2	11.222	573	289 124 573 0	573
03-05	26.8	11.129	615	318 131 615 0	615
06-08	28.2	11.064	627	305 155 626 0	627
09-11	30.9	9.471	612	230 189 612 0	612
12-14	29.9	8.368	625	252 158 625 0	625
15-17	29.1	8.393	612	284 127 612 0	612
18-20	27.8	10.102	571	308 120 569 0	571
21-23	27.4	10.938	567	301 122 564 0	567
ALL HOURS	28.4	10.241	4802	2287 1126 4796 0 4	802
				MONTH: OCT	
00-02	23.2	9.423	572	373 43 572 0	626
03-05					
03 03	23.1	9.515	607	389 49 607 0	626
06-08	23.1 24.3	9.515 9.365	607 649		626 626
j				393 60 649 0	
06-08	24.3	9.365	649	393 60 649 0 306 73 607 0	626
06-08 09-11	24.3 26.9	9.365 8.580	649 607	393 60 649 0 306 73 607 0 352 63 626 0	626 626
06-08 09-11 12-14	24.3 26.9 26.1	9.365 8.580 8.052	649 607 626	393 60 649 0 306 73 607 0 352 63 626 0 373 59 611 0	626 626 626
06-08 09-11 12-14 15-17	24.3 26.9 26.1 25.0	9.365 8.580 8.052 8.386	649 607 626 611	393 60 649 0 306 73 607 0 352 63 626 0 373 59 611 0 372 64 573 0	626 626 626 626

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DEW POINT TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION	NUMBER:		TION NAME:	TONOPAH TEST	RANGE NV			DD OF RE	ECORD: JAN 8	3 - MAR 90
HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS			LE 27	OF HOUF	RS WITH LE 55	TEMPERATURES GE 65	DEG F TOTAL HOURS
00-02	17.6	9.063	585		• • • • • • • • • •	493	14	585	0	585
03-05	17.0	9.266	593			518	17	593	0	593
06-08	17.6	9.267	626			533	19	626	0	626
09-11	20.7	8.876	630			487	36	630	0	630
12-14	21.4	8.764	630			474	35	630	0	630
15-17	20.6	8.982	620			467	26	620	0	620
18-20	19.0	8.876	591			473	13	591	0	591
21-23	18.1	8.961	585			479	8	585	0	585
ALL HOURS	19.1	9.167	4860			3924	168	4860	0	4860
							MONTE	: DEC		
00-02	14.4	9.539	602	• • • • • • • • • • • • • • • • • • • •	* * * * * * * * * * *		0	602	0	634
03-05	13.9	9.612	610			560	0	610	0	634
06-08	14.5	9.911	651			585	3	651	0	634
09-11	17.2	9.562	649			542	10	649	0	634
12-14	18.7	9.090	634			508	12	634	0	634
15-17	18.3	8.992	623			512	7	623	0	634
18-20	16.3	9.345	603			532	4	603	0	634
21-23	15.3	9.523	599			542	5	599	0	634
ALL HOURS	16.1	9.638	4971			4328	41	4971	0	4971

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DEW POINT TEMPERATURE SUMMARY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: ALL

TO UTC: + 8	MONTH: A

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS				WITH E 55	TEMPERATURES DEG F GE 65	TOTAL HOURS
00-02	22.7	11.811	7219	50	006	886	7187	0	7219
03-05	22.4	11.952	7522	52	240	915	7482	0	7522
06-08	23.6	12.317	7911	51	151 1	136	7850	0	79 11
09-11	25.5	11.437	7834	45	86 1	215	7771	0	7834
12-14	25.3	10.606	7780	46	558 1	052	7729	0	7780
15-17	24.6	10.542	7691	48	318	929	7651	0	7691
18-20	23.7	11.123	7371	49	955	900	7329	0	7371
21-23	23.2	11.641	7314	50	003	945	7273	0	7314
ALL HOURS	23.9	11.492	60642	394	17 7	978 6	60272		60642

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

USAFETAL, ASTREVILLE AC											
STATIO	N NUMBER:	724844		NAME: T		EST RANGE	NV		RIOD OF ITH: JAN		JAN 83 - MAR 90
HOURS LST	10%	20%		IVE HUMI 40%		ATER THAN	OR EQUA	L TO 80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	97.7	92.0	77.0	54.9	28.4	9.9	1.2	60.7	687
03-05	100.0	99.9	97.7	92.0	80.7	57.2	34.1	9.9	1.4	61.8	704
06-08	100.0	99.7	97.0	93.0	80.4	57.6	33.3	9.6	2.2	62.0	741
09-11	100.0	98.5	92.4	81.9	59.7	34.1	16.6	5.5	1.2	53.7	740
12-14	100.0	93.9	80.9	65.7	38.6	19.1	7.1	2.8	.7	45.4	722
15-17	100.0	94.1	80.3	65.7	43.8	22.0	9.2	3.4	.6	46.4	714
18-20	100.0	99.9	94.1	81.7	65.1	38.7	17.3	5.0	1.7	54.8	700
21-23	100.0	99.6	96.5	88.5	73.5	48.1	21.9	6.5	1.2	58.3	695
ALL HOURS	100.0	98.2	92.0	82.5	64.8	41.4	21.0	6.6	1.2	55.4	5703
•••••			• • • • • • • • • • • • • • • • • • • •					Mi	ONTH: FE	В	
00-02	100.0	99.4	97.0	89.4	66.4	41.3	19.9	5.8	1.9	56.7	639
03-05	100.0	100.0	98.3	90.6	75.3	49.5	25.3	8.0	1.2	59.5	647
80-60	100.0	99.9	97.5	90.1	74.6	47.6	23.3	6.2	1.3	58.8	677
09-11	100.0	96.7	88.6	65.3	39.9	22.1	8.3	2.1	.4	46.8	675
12-14	100.0	89.1	64.3	36.2	21.3	9.7	3.0	.6	.5	37.0	661
15-17	99.5	84.1	57.3	34.5	20.7	9.5	3.2	.9	.6	35.7	656
18-20	100.0	96.9	85.1	66.1	41.2	22.7	9.8	1.6	.8	47.1	643
21-23	100.0	98.7	94.5	78.7	54.1	33.8	14.2	4.7	1.4	52.7	639
ALL HOURS	99.9	95.6	85.3	68.8	49.1	29.5	13.4	3.7	1.0	49.3	5237

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

USAPET	AC, ASHEV	ILLE NC	FROM HOURLY OBSERVATIONS								
OITATE	N NUMBER:	724844	STATION OT TEL			TEST RANGE	NV		PERIOD OF NONTH: MAR		JAN 83 - MAR 90
HOURS LST	ĺ	20%			AIDITY GI	REATER THAN 60%			90%	MEAN	TOTAL OBS
00-02	100.0	99.3	87.5	69.4	47.4	28.5	12.6	4.5	.1	49.5	705
03-05	100.0	100.0	94.4	78.4	58.3	37.7	17.1	6.4	.3	53.8	714
80-60	100.0	99.9	93.4	74.9	53.8	33.3	16.6	5.1	.7	52.5	741
09-11	100.0	90.6	62.4	39.9	22.3	12.1	4.9	1.5	.1	38.0	737
12-14	99.7	69.0	40.0	20.3	10.0	6.0	3.2	1.5	.1	29.3	728
15-17	100.0	63.1	35.6	17.9	10.1	6.5	3.7	1.7		28.0	721
18-20	100.0	83.7	57.7	36.8	20.2	10.0	6.4	3.1	.3	36.3	707
21-23	100.0	94.3	76.6	55.0	3 5.0	19.2	9.4	3.7	.1	43.7	702
ALL Hours	100.0	87.5				19.2				41.4	5 7 55
•••••	• • • • • • • • • • • • • • • • • • • •								MONTH: AP	PR	**************
00-02	100.0	92.5	70.3	44.3	27.0	16.5	8.7	1.0		40.8	589
03-05	100.0	97.3	80.8	58.6	35.6	19.9	11.4	1.3		44.7	599
06-08	100.0	94.9	71.6	46.8	24.4	15.6	8.6	1.3		40.7	630
09-11	100.0	69.7	34.9	16.2	10.2	4.9	1.6	.2		28.1	630
12-14	99.4	47.2	17.0	9.0	5.1	2.2	1.1			21.9	625
15-17	98.2	40.4	19.0	10.9	5.8	4.1	1.6	1.0		21.7	616
18-20	99.5	59.1	33.2	18.8	10.4	7.2	3.9	1.0		27.4	597
21-23	100.0	80.9	53.7	32.6	18.1	11.3	5.7	.5		34.8	592
ALL	99.6	72.6	47.3	29.5	17.0	10.1	5.3	.8		32.4	4878

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

STATION	NUMBER:	724844	STATION LST TO			TEST RANGE	NV		IOD OF TH: MAY		JAN 83 - MAR 90
HOURS LST	10%	20%	RELAT 30%	IVE HUM 40%	IDITY GI 50%	REATER THAN	OR EQU/ 70%	AL TO 80%	90%	MEAN	TOTAL OBS
00-02	100.0	88.4	60.3	36.3	22.1	13.9	6.0	1.1	•••••	37.3	612
03-05	100.0	94.6	73.4	47.5	26.8	17.1	8.9	1.6	.2	41.6	631
06-08	100.0	87.8	60.2	31.2	17.4	10.0	4.3	1.2	.3	35.6	650
09-11	99.1	60.0	24.1	10.0	5.3	2.8	1.6	.6	.2	24.6	643
12-14	98.4	32.9	11.8	5.9	3.5	2.2	1.0	.3		19.4	626
15-17	97.4	27.6	11.1	5.6	3.9	2.4	1.1	.3		18.6	623
18-20	99.5	46.5	20.5	11.4	7.6	4.1	1.8	.3		23.2	615
21-23	99.8	71.2	40.0	22.5	15.5	8.8	4.2	.7		30.8	612
ALL HOURS	99.3	63.7	37.7	21.3	12.7	7.7	3.6	.8	.1	28.9	5012
								МО	NTH: JU	N	
00-02	100.0	78.6	41.9	24.9	15.0	7.1	2.7	1.1	•••••	31.6	546
03-05	100.0	87.8	56.9	30.9	18.9	9.6	3.4	1.9		35.3	583
06-08	100.0	76.4	40.4	20.1	8.3	3.5	1.8	.6		29.6	623
09-11	98.9	42.0	14.3	3.8	.8	.3				20.1	624
12-14	97.7	23.6	4.9	.8	.5					15.8	618
15-17	98.4	20.0	8.7	3.3	1.1	.5	.2			15.8	611
18-20	98.6	30.0	15.7	7.7	3.6	1.9	1.4			19.1	586
21-23	99.5	50.2	24.7	15.1	9.5	3.6	1.4	.5		24.8	582
ALL HOURS	99.1	50.6	25.6	13.1	7.0	3.2	1.3	.5		23.8	4773

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: JUL RELATIVE HUMIDITY GREATER THAN OR EQUAL TO HOURS 10% 20% 40% 50% 60% 80% LST 30% 70% 90% MEAN TOTAL OBS 9.1 00-02 99.6 36.7 20.8 13.3 2.7 64.6 6.4 29.6 528 03-05 99.5 78.0 48.4 28.3 17.9 10.9 8.0 3.9 33.8 587 06-08 99.5 69.5 41.3 21.1 12.7 8.7 5.3 1.5 30.2 646 09-11 16.0 99.2 44.8 9.1 5.1 2.2 .6 .3 21.9 639 97.3 12-14 24.5 11.0 5.8 2.7 1.4 .5 .2 17.8 636 15-17 97.9 19.4 11.0 7.1 3.6 2.2 1.3 .6 17.6 634 31.3 17.1 10.3 3.5 1.9 18-20 98.3 6.6 .8 20.6 592 27.9 21-23 99.1 51.4 16.1 10.6 7.2 3.6 1.4 25.6 584 ALL 9.0 3.3 HOURS 4846 MONTH: AUG 00-02 100.0 74.5 51.6 36.7 23.2 17.0 11.0 5.0 2.6 **36.**5 581 03-05 100.0 83.9 57.9 43.4 30.1 21.2 14.1 7.6 4.0 40.7 632 06-08 99.8 78.9 52.6 37.4 24.5 17.2 9.7 37.1 6.0 2.5 650 09-11 99.7 32.7 17.0 10.3 56.0 6.0 3.2 1.2 .3 26.9 648 12-14 98.8 39.6 18.8 10.8 7.2 4.0 2.3 .9 .5 21.9 649 15-17 97.4 37.2 16.8 10.9 6.9 4.6 2.8 .8 .2 20.9 650 18-20 98.8 47.2 29.7 15.9 10.5 6.9 4.9 2.5 1.2 25.4 593 21-23 99.5 64.0 42.5 25.5 17.3 12.2 7.7 4.3 2.6 31.6 584 ALI HOURS 99.2 60.0 37.6 24.5 16.2 11.1 6.9 3.5 1.7 30.0 4987

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: SEP RELATIVE HUMIDITY GREATER THAN OR EQUAL TO HOURS 70% 90% 20% 40% 50% 60% 80% TOTAL OBS LST 10% 30% MEAN 51.7 17.5 11.3 34.9 573 00-02 100.0 83.6 33.2 4.7 2.3 .2 03-05 100.0 90.4 63.9 42.0 25.4 13.0 6.7 3.4 .5 39.0 615 06-08 100.0 86.0 60.1 35.4 20.7 11.0 4.8 2.2 .5 36.6 627 5.6 .5 25.8 612 29.7 12.7 1.8 09-11 100.0 66.8 12-14 99.7 37.6 12.5 4.8 2.6 1.0 .2 20.1 625 15-17 98.7 34.3 12.4 4.9 3.1 1.5 .7 .5 .2 19.4 612 25.4 2.3 .4 571 18-20 99.3 52.4 13.0 6.8 4.2 1.2 24.8 38.1 3.5 .2 30.0 567 21-23 71.6 21.5 12.9 6.0 2.1 100.0 HOURS 99.7 65.2 36.7 20.9 11.8 6.2 2.9 1.5 .2 28.8 4802 MONTH: OCT 71.3 19.4 11.7 1.0 43.0 51.4 30.9 5.6 572 00-02 100.0 92.8 95.9 7.6 607 79.9 40.4 26.0 16.8 .8 47.4 03-05 100.0 60.6 45.9 06-08 100.0 94.3 79.8 56.9 37.1 23.6 13.6 6.0 .6 649 09-11 99.3 81.4 49.6 25.7 15.2 6.3 3.0 1.2 .3 32.6 607 25.2 5.0 1.9 .2 24.5 626 58.8 11.0 1.1 .6 12-14 96.3 .7 15-17 96.7 54.2 23.7 12.4 6.2 3.1 2.0 .5 24.2 611 18-20 99.5 76.6 46.2 25.1 15.0 9.4 4.0 3.1 .3 32.2 573 21-23 23.9 13.6 7.7 3.3 .3 38.0 573 100.0 87.1 63.2 36.0 ALL 7.5 .5 4818 80.0 34.9 21.7 12.9 3.5 36.0 99.0 54.8 HOURS

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

STATION NAME: TONOPAH TEST RANGE NV STATION NUMBER: 724844 PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8 MONTH: NOV RELATIVE HUMIDITY GREATER THAN OR EQUAL TO **HOURS** 10% 20% 40% 50% 60% LST 70% 80% 90% TOTAL OBS MEAN 27.5 00-02 100.0 99.1 85.6 68.9 48.2 15.9 6.2 1.7 50.0 585 91.6 03-05 100.0 99.7 75.0 56.7 32.0 16.2 7.9 2.0 52.7 593 06-08 100.0 99.7 92.2 75.9 57.7 33.9 17.1 7.0 2.6 53.3 626 09-11 100.0 93.8 73.5 47.8 29.4 17.9 9.5 4.8 42.6 630 1.4 12-14 99.5 79.2 50.5 30.8 19.7 12.7 6.0 630 2.7 -6 34.9 15-17 99.8 78.2 52.1 34.8 20.5 14.8 6.5 3.4 .8 35.5 620 18-20 100.0 92.9 69.4 50.6 29.6 18.1 10.8 .7 42.0 591 21-23 100.0 98.1 79.5 63.4 38.5 24.4 12.3 5.3 1.7 585 46.8 ALL 99.9 74.1 55.6 37 3 HOURS 92.4 22.6 11.7 5.1 1.4 44.6 4860 MONTH: DEC 00-02 100.0 99.8 87.0 71.8 9.6 602 94.7 50.3 58.8 26.1 .8 03-05 100.0 96.9 90.5 77.9 100.0 56.6 33.0 13.6 1.6 61.4 610 80-60 100.0 100.0 97.4 92.3 78.3 58.5 35.0 12.7 2.3 62.4 651 09-11 100.0 87.4 70.4 50.5 33.6 50.9 649 98.6 16.2 6.0 1.2 12-14 100.0 91.5 71.1 51.1 33.0 19.6 .5 8.2 3.5 634 42.2 9.1 15-17 90.7 73.2 37.7 22.2 100.0 56.8 2.9 .3 44.0 623 18-20 100.0 97.0 88.1 72.0 55.6 36.8 19.4 .2 52.1 603 5.6 21-23 100.0 99.3 80.8 63.8 92.5 47.1 25.0 8.2 .8 56.2 599 ALL 100.0 97.1 87.6 75.0 58.5 40.5 21.5 7.8 53.5 4971 HOURS 1.0

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WAS .

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

STATIO	N NUMBER:	724844		NAME: T UTC: + 8		EST RANGE	NV		RIOD OF NTH: ALL		JAN 83 - MAR 90
HOURS LST	10%	20%	RELAT 30%	IVE HUMI 40%	DITY GRE	ATER THAN 60%	OR EQUAL 70%	TO 80%	90%	MEAN	TOTAL OBS
00-02	100.0	90.1	71.9	56.0	39.6	25.6	13.2	4.7	.8.	44.7	7219
03-05	100.0	94.2	79.0	62.3	46.1	29.9	16.6	6.2	1.0	48.0	7522
06-08	99.9	90.9	74.3	57.2	41.7	27.4	14.8	5.1	1.1	45.8	7911
09-11	99.7	75.6	51.5	34.4	22.0	12.4	5.7	2.0	.4	34.7	7834
12-14	98.9	58.0	34.8	21.6	12.8	6.8	2.9	1.1	.3	27.8	7780
15-17	98.7	54.3	34.1	22.6	14.0	7.9	3.5	1.4	.3	27.6	7691
18-20	99.5	68.7	49.6	35.1	23.5	14.1	7.2	2.4	.4	34.2	7371
21-23	99.8	81.2	61.9	45.8	32.0	20.2	10.0	3.5	.7	39.9	7314
ALL HOURS	99.6	76.5	57.0	41.7	28.8	18.0	9.2	3.3	.6	37.8	60642

USAFETAC/DS-90/232 - PAGE 326

PPPPP	PPP	AAA	AAA	RRRR	RRRR	TITTTTTTT	FFFFFFFFF
PPPPP	PPPP	AAAA	AAAA	RRRR	RRRRR	TTTTTTTTT	FFFFFFFFF
PP	PP	AA	AA	RR	RR	TT	FF
PP	PP	AA	AA	RR	RR	TT	FF
PPPPP	PPPP	AA	AA	RRRR	RRRRR	ΤΤ	FFFFFF
PPPPP	PPP	AAAAA	AAAAA	RRRR	RRRR	TT	FFFFFF
PP		AAAAA	AAAAA	RR	RR	ŤŤ	FF
PP		AA	AA	RR	RR	ŢŢ	FF
PP		AA	AA	RR	ŔŔ	TT	FF
PP		- AA	AA	RR	RR	TT	FF

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PART F

PRESSURE SUMMARIES

- ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:
 - BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
 - BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
 - BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (Hg), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (Hg), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

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SEA LEVEL PRESSURE IN MILLIBARS FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90

			LS! IC) UIC: +	0									
HOURS		JAN	FEB	MAR	APR	MAY	JUN	JÜL	AUG	SEP	ост	NOV	DEC	ANN
0100	MEAN SD TOT OBS	.0 .000 0	0. 000. 0	.0 .000 0	.0 .000 0	.0 .000 0	.0 .000 0	.0 .000 0	.0 .000 0	.0 .000 0	.0 .000 0	.0 .000 0	.0 .000 0	.0 .000 0
0400	MEAN SD TOT OBS	.0 .000 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	.0 000. 0	.0 000. 0	.0 000. 0	.0 .000 0	.0 000. 0	.0 000. 0	0. 000. 0	0. 000. 0
0700	MEAN SD TOT OBS	.000 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	.0 000. 0	.0 000. 0	.0 000. 0	.0 000. 0	0. 000. 0	000. 000.	0. 000. 0	0. 000. 0
1000	MEAN SD TOT OBS	.0 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	.0 000. 0	0. 000. 0	.0 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	.0 000. 0	0. 000. 0
1300	MEAN SD TOT OBS	.000 000.	0.000. 000.	0. 000. 0	0. 000. 0	.0 000. 0	.0 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	.0 000. 0	.0 000. 0	0. 000. 0	.0 000. 0
1600	MEAN SD TOT OBS	0. 000. 0	.0 .000 0	0. 000. 0	0. 000. 0	.0 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0
1900	MEAN SD TOT OBS	0. 000. 0	0.0 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0.00 000.	0. 000. 0	0. 000. 0	0. 000. 0
2200	MEAN SD TOT OBS	.0 000.	0. 000. 0	.0 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0.000. 000.	0. 000. 0
ALL HOURS	MEAN SD (.0 .000 0	.0 .000 0	.0 .000 0	0. 000. 0	.0 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0	0. 000. 0

ALTIMETER SETTING IN INCHES FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV

PERIOD OF RECORD: JAN 83 - MAR 90

			LST TO	D UTC: +	8									
HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANN
0100	MEAN	30.16	30.08	30.02	30.01	30.02	30.06	30.12	30.13	30.09	30.15	30.10	30.14	30.09
	SD	.205	.206	.202	.170	.133	.103	.106	.087	.135	.143	.187	.195	.172
	TOT OBS	229	213	235	196	204	182	176	193	191	191	195	201	2406
0400	MEAN SD TOT OBS	30.15 .207 236	30.07 .206 216	30.01 .205 239	30.01 .175 200	30.02 .135 208	30.07 .107 195	30.13 .106 201	30.14 .084 213	30.09 .134 204	30.14 .143 198	30.10 .189 199	30.13 .193 202	30.09 .172 2511
0700	MEAN	30.17	30.09	30.04	30.04	30.06	30.10	30.16	30.17	30.13	30.17	30.11	30.14	30.12
	SD	.206	.204	.203	.179	.136	.106	.104	.084	.134	.142	.189	.191	.170
	TOT OBS	247	225	247	210	217	208	216	217	210	217	210	217	2641
1000	MEAN	30.20	30.12	30.06	30.04	30.05	30.09	30.16	30.17	30.13	30.18	30.13	30.17	30.13
	SD	.207	.207	.202	.177	.133	.106	.104	.086	.133	.142	.189	.191	.172
	TOT OBS	247	225	246	210	214	208	213	216	202	200	210	217	2608
1300	MEAN	30.14	30.06	30.01	30.00	30.01	30.06	30.12	30.13	30.08	30.12	30.07	30.11	30.08
	SD	.203	.202	.197	.172	.132	.105	.103	.086	.132	.138	.185	.191	.167
	TOT OBS	240	218	243	208	209	206	212	217	209	208	210	208	2588
1600	MEAN	30.12	30.04	29.98	29.96	29.97	30.02	30.08	30.08	30.04	30.10	30.06	30.10	30.05
	SD	.200	.197	.189	.161	.128	.101	.102	.086	.130	.133	.181	.188	.164
	TOT OBS	237	219	241	206	208	204	213	217	205	208	210	209	2577
1900	MEAN	30.14	30.06	30.00	29.97	29.98	30.02	30.08	30.09	30.05	30.12	30.09	30.13	30.06
	SD	.202	.200	.190	.156	.127	.099	.105	.088	.132	.135	.183	.185	.167
	TOT OBS	233	214	236	199	205	195	197	196	189	191	197	200	2452
2200	MEAN	30.16	30.08	30.03	30.01	30.02	30.06	30.12	30.13	30.08	30.15	30.11	30.15	30.09
	SD	.205	.205	.200	.161	.132	.099	.107	.089	.133	.140	.187	.191	.169
	TOT OBS	232	213	234	197	204	194	195	195	189	191	195	200	2439
ALL HOURS	MEAN SD TOT OBS	30.16 .206 1901	30.08 .205 1743	30.02 .200 1921	30.01 .171 1626	30.02 .135 1669	30.06 .107 1592	30.12 .109 1623	30.13 .092 1664	30.09 .136 1599	30.14 .142 1604	30.10 .188 1626	30.13 .192 1654	30.09 .171 20222

STATION PRESSURE IN INCHES FROM HOURLY OBSERVATIONS

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV

PERIOD OF RECORD: JAN 83 - MAR 90

JIAII	JA HOMBER	. /24044	LST T	0 UTC: +	8	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ANGE N1		FERIO	D OF REC	OKD. UP	, CO HI	IAK YU	
HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	24.59	24.52	24.47	24.46	24.47	24.50	24.55	24.56	24.53	24.58	24.54	24.57	24.53
į	SD	.173	.175	. 171	. 144	.113	.088	.090	.073	.114	.121	.158	. 165	. 145
	TOT OBS	229	213	235	196	204	182	176	193	191	191	195	201	2406
0400	MEAN	24.58	24.51	24.46	24.46	24.47	24.51	24.56	24.57	24.53	24.57	24.53	24.56	24.53
	SD	.175	.174	.173	.148	.115	.091	.089	.072	.113	.121	.160	. 164	. 145
	TOT OBS	235	216	240	199	208	196	203	210	205	197	199	203	2511
0700	MEAN	24.60	24.53	24.49	24.49	24.50	24.54	24.59	24.60	24.56	24.59	24.55	24.57	24.55
	SD	.175	. 173	.172	.151	. 115	.090	.088	.071	.114	.121	. 160	. 162	144
	TOT OBS	247	225	247	210	217	208	216	217	210	217	210	217	41د
1000	MEAN	24.62	24.55	24.50	24.49	24.50	24.53	24.59	24.60	24.56	24.60	24.57	24.60	24.56
	SD	.175	.175	. 171	.150	.113	.090	.088	.072	.112	.120	.160	.162	. 145
	TOT OBS	247	225	246	210	214	208	213	216	202	200	210	217	2608
1300	MEAN	24.57	24.51	24.46	24.45	24.46	24.50	24.55	24.56	24.52	24.55	24.51	24.54	24.52
	SD	.172	.171	. 167	. 145	.112	.089	.087	.073	.112	.117	.157	.162	. 142
	TOT OBS !	240	218	243	208	209	206	212	217	209	208	210	208	2588
1600	MEAN	24.55	24.49	24.43	24.42	24.43	24.47	24.52	24.52	24.49	24.53	24.50	24.54	24.49
	SD (.170	. 167	. 160	. 137	.108	.086	.087	.073	.110	. 113	. 153	. 160	. 139
	TOT OBS	237	219	241	206	208	204	213	217	205	208	210	209	2577
1900	MEAN	24.57	24.50	24.45	24.43	24.43	24.47	24.52	24.53	24.50	24.55	24.53	24.56	24.50
ļ	SD [.171	. 169	. 161	. 133	.108	.084	.089	.075	.112	.114	. 155	. 157	. 141
	TOT OBS	233	214	236	199	205	195	197	196	189	191	197	200	2452
2200	MEAN	24.59	24.52	24.47	24.46	24.47	24.50	24.55	24.56	24.52	24.58	24.55	24.58	24.53
	SD	.173	.174	.169	. 136	.112	.084	.091	.075	.113	.119	. 158	.162	. 143
	TOT OBS	232	213	234	197	204	194	195	195	189	191	195	200	2439
ALL J	MEAN J	24.58	24.52	24.47	24.46	24.47	24.50	24.55	24.56	24.53	24.57	24.53	24.56	24.52
HOURS		.174	.173	.169	. 145	.115	.091	.092	.078	.115	.120	. 159	. 163	. 145
	TOT OBS	1900	1743	1922	1625	1669	1593	1625	1661	1600	1603	1626	1655	20222

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PPPPP	PPP	AAA	AAA	RRRR	RRRR	**********	GC	GGGG
PPPPP	• •	AAAA	AAAA	RRRR	RRRRR	TTTTTTTTT	GGC	GGGGG
PP	PP	AA	AA	RR	RR	ΤΤ	GG	GG
PP	PP	AA	AA	RR	RR	ΤT	GG	
PPPPP	PPPP	AA	AA	RRRR	RRRRR	ΤT	GG	
PPPPP		AAAAA	AAAAA	RRRR	RRRR	ΤΤ	GG	GGGG
PP	• • •	AAAAA	AAAAA	RR	RR	ΤŤ	GG	GGGGG
PP		AA	AA	RR	RR	TT	GG	GG
PP		AA	AA	RR	RR	ΤŤ		BDDDDD
PP		AA	AA	RR	RR	TT	G	GGGG

G - 1 - 1

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS

FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 140-320

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV

PERIOD OF RECORD: JAN 83 - MAR 90 LST TO UTC: + 8

MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

			C	ATEGOR	Y B: 1	A I GHE	ST W	INDS	REPORTE	D WITHIN	THE	HOUR (H	OURLI	ES + SPEC	IALS)	·	
TIME (LST)	ļ .	000	00 - 0	200			03	ioo -	0500		0	500 - 0	800			0900 -	1100
SPEED (KTS)	GE15	GE20	GE25	OBS	GE	15 0	GE 20	GE25	088	GE 15	GE20	GE25	OBS	GE 15	GE20	GE 25	OBS
CATEGORY A	.4			687		.3			704	.1			741	.5			740
CATEGORY B	l 1.6	.4	.1	687		.4	.1		704	1.1	.1		741	1.6			740
		• • • • • •	• • • • • •	• • • • • •		• • • • •	• • • • •	• • • • • •	• • • • • • •			• • • • • •	• • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • •	• • • • • •	• • • • •
TIME (LST)		120	00 - 14	400			15	00 -	1700		18	300 - 2	000			2100 -	2300
SPEED (KTS)	 GE15	GE 20	GE25	OBS	GE	15 6	SE20	GE25	OBS	GE 15	GE20	GE25	OBS	GE 15	GE20	GE 25	OBS
CATEGORY A	.7			725		.7			714	.3	.1		700	.1			695
CATEGORY B	2.3	.7		725	2	.2	.8		714	.7	.3	.1	700	.6	. 1		695
													<i></i> .				
TIME (LST)						0600) - 2	2000				ALL	но	URS			
SPEED KTS	 				GE 15	GE20) GE	25	OBS		GE	15 GE2	O GE	25 06	s		
CATEGORY A	 				.5	.0)		3620			.4 .	0	570	6		
CATEGORY B] 				1.6	.4		.0	3620		1	.3 .	3	.0 570	16		

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 140-320

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90

MONTH: FEB

CATEGORY A:	ANY	CEILING	OR	VISIBILITY	(HOURLY	OBS	ONLY)
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TIME (LST)	ļ	000	00 - 02	200		03	3 00 -	0500		0	600 -	0800		,	0900 -	1100
SPEED (KTS)	GE15	GE20	GE25	085	GE15	GE 20	GE25	OBS	GE15	GE20	GE25	OBS	GE 15	GE20	GE25	OBS
CATEGORY A	1.9			639	1.4	.5		647	2.1	.3		677	2.2	1.0	.1	675
CATEGORY B	2.5	1.6	.2	639	2.8	1.5	.8	647	3.4	1.9	.1	677	5.2	2.4	1.0	675
TIME (LST)	······	120	00 - 14	00	• • • • • • • • •	15	500 -	1700	•••••	1	800 -	2000	• • • • • • • •		2100 -	2300
SPEED (KTS)	GE 15	GE20	GE25	OBS	GE 15	GE20	GE25	OBS	GE 15	GE20	GE25	OBS	GE 15	GE20	GE25	OBS
CATEGORY A	2.6	.8	.2	661	2.7			656	.8			643	1.1			639
CATEGORY B	7.4 	2.6	1.4	661	8.4	2.4	.5	656	2.3	.8		643	2.5	.8	.2	639
	• • • • • • • • • • • • • • • • • • • •	• • • • • •	• • • • • •		• • • • • • • • • •	•••••	• • • • • •	••••••	• • • • • • • • •		• • • • • •	• • • • • • •	• • • • • • • • •			••••
TIME (LST)					060	00 - 2	000				ALI	. HOU	RS			
SPEED KTS					GE15 GE	20 GE	25	OBS		GE 1	5 GE	20 GE2	5 OB	s		
CATEGORY A	Ì				2.1	.4	.1	3312		1.	9	.3 .	0 523	7		
CATEGORY B					5.3 2	.0	.6	3312		4.	.3 1	. 8.	5 523	7		

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 140-320

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90

MONTH: MAR

CATEGORY A: ANY C	EILING (OR VISIB	ILITY (HOURLY	OBS ONLY)
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			_		B: HIC		IINDS	REPORTED	WITHIN	THE H	OUR (HC	URLIES	+ SPEC	IALS)		
TIME (LST)	ļ	000	00 - 02	200		03	300 -	0500		06	00 - 08	00		ı	0900 -	1100
SPEED (KTS)	GE 15	GE 20	GE25	OBS	GE 15	GE20	GE25	08\$	GE 15	GE20	GE25	OBS	GE 15	GE20	GE25	OBS
CATEGORY A	.3			705	.1			714	.7		7	741	2.2	.7	.1	738
CATEGORY B	1.7			705	1.4	.1		714	1.2	.4	;	741	5.1	1.6	.8	738
	•••••					•••••		• • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • •	• • • • • • •				
TIME (LST)		120	00 - 14	00		15	500 -	1700		18	00 - 20	00			2100 -	2300
SPEED (KTS)	GE 15	GE 20	GE 25	088	GE 15	GE 20	GE25	OBS	GE 15	GE20	GE25	OBS	GE 15	GE20	GE25	OBS
CATEGORY A	4.9	1.1	.3	730	3.9	1.1		723	2.0	.3		707	.9			702
CATEGORY B	11.0	4.8	1.6	73 0	10.9	3.6	1.7	723	4.5	1.6	.3	707	2.0	.4		702
			• • • • • •	• • • • • •		•••••		• • • • • • • • • • • • • • • • • • • •		• • • • • • •				••••	. .	
TIME (. 07)		•••••	•••••	• • • • • •	۰۰۰۰۰۰۰	500 - 2	2000	•••••	•••••	•••••	ALL	HOUR			•••••	
TIME (LST)	ļ }															
SPEED KTS					GE15 GE	20 G	E25	OBS		GE 1	5 GE20) GE 25	O	3\$		
CATEGORY A					2.7	.6	.1	3639		1.	9 .4	.1	576	60		
CATEGORY B	<u> </u>				6.5	2.4	.9	3639		4.	8 1.6	.6	576	60		

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 140-320

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90

MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

	• • • • • • •	• • • • • •	• • • • • •			• • • • • •	• • • • •	• • • • • • •		•••••	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • •
TIME (LST)		000	00 - 02	200		03	- 00	0500		0	600 - 0	800		,	0900 -	1100
SPEED (KTS)	GE 15	GE20	GE25	088	GE15	GE20	GE25	OBS	GE15	GE 20	GE25	OBS	GE 15	GE20	GE25	OBS
CATEGORY A	.7	.3		588	.2			599	1.1	.3		630	2.1	.6	.2	630
CATEGORY B	1.5	.5	.2	588	.7			599	2.1	.5	.3	630	6.2	2,2	.6	630
• • • • • • • • • • • • • • • • • • • •	•••••	••••	• • • • •	• • • • •		• • • • • •	• • • • •			•••••	• • • • • •	• • • • • •	• • • • • • • •		•••••	
TIME (LST)		120	00 - 14	00		15	00 -	1700		1	800 - 2	000			2100 -	2300
SPEED (KTS)	GE 15	GE 20	GE25	08\$	GE 15	GE20	GE 25	OBS	GE 15	GE20	GE25	OBS	GE 15	GE20	GE 25	OBS
CATEGORY A	4.8	1.6	.5	625	4.7	1.8	.3	616	1.8	.7	.3	597	1.7	.5	.3	592
CATEGORY B	15.5	6.7	2.2	625	12.5	5.7	2.8	616	4.4	1.5	.8	597	3.0	1.4	.7	592
	• • • • • • •	• • • • • •					••••		• • • • • • • • • • • • • • • • • • • •	• • • • • •	•••••	• • • • • • •		••••		••••
	•••••	•••••	• • • • • •			••••	••••	• • • • • • •	• • • • • • • • •	•••••	• • • • • • •	• • • • • •		•••••	• • • • • •	••••
TIME (LST)					060	00 - 2	000				ALL	HOUR	S			
SPEED KTS					GE 15 GE	20 GE	25	OBS		GE 1	5 GE2	GE 25	OB	s		
CATEGORY A					2.9 1	.0	.3	3098		2.	.2	7 .2	487	7		
CATEGORY B					8.1 3	.3 1	.4	3098		5.	8 2.	3 1.0	487	7		

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 140-320

STATION NUMBER: 724844

CATEGORY B

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: \pm 8

PERIOD OF RECORD: JAN 83 - MAR 90

MONTH: MAY

5.5 1.6 .3 5015

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

					. г. в. п	10053			·····	ED MILUIN			HOOKETE		IALS)		
TIME (LST)		000	00 - 02	200			030	00 - 0	0500		0	600 - 1	0800		(0 90 0 -	1100
SPEED (KTS)	GE 15	GE20	GE25	OBS	GE 1	5 GE	20	GE25	OBS	GE 15	GE20	GE25	OBS	GE 15	GE20	GE25	OBS
CATEGORY A	.3			612	•	2			631	.6			651	1.1			644
CATEGORY B	1.1	.2		612	•	6	.2		631	1.4	.2		651	6.2	1.4	.2	644
	• • • • • • •	• • • • • •	•••••	• • • • • •	•••••	••••	• • • •		• • • • • •	•••••	• • • • • •	• • • • • •		• • • • • • •	• • • • • •	• • • • •	••••
TIME (LST)	ı	120	00 - 14	00			150	00 - 1	1700		18	B00 - 1	2000		;	2100 -	2300
SPEED (KTS)	GE15	GE20	GE 25	OBS	GE 1	5 GE	20	GE 25	OBS	GE 15	GE 20	GE25	OBS	GE 15	GE20	GE25	OBS
CATEGORY A	3.3	.3		627	2.	7	.3	.2	623	1.3			615	1.1	.2		612
CATEGORY B	13.9	4.9	1.1	627	14.	3 5	.0	1.0	623	4.1	.5	.2	615	2.6	.8		612
	•••••	• • • • •		• • • • • •				• • • • • •	. 		• • • • • •	• • • • • •					• • • • •
TIME (LST)					(600	- 20	00				AL	L HOUF	 RS	•••••	•••••	••••
SPEED KTS					GE15 (E20	GE2	:5	OBS		GE	15 GE	20 GE25	5 08	s		
CATEGORY A					1.8	.1		.0	3160		1	.3	.1 .0	501	15		

7.9 2.4 .5 3160

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS

FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 140-320

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90

MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

			•••••				• • • •			• • • • • • • • •	• • • • • •				• • • • • •		• • • • •
TIME (LST)	Į.	000	00 - 02	200			03	00 -	0500		0	600 - (800			0900 -	1100
SPEED (KTS)	GE15	GE20	GE25	OBS	GE	15 G	E20	GE25	OBS	GE 15	GE20	GE25	OBS	GE 15	GE 20	GE 25	OBS
CATEGORY A	(546		.2	.2		583	.3			623	.2	.2		624
CATEGORY B				546		.2	.2	.2	583	.8	.3		623	3.5	.2		624
	!	• • • • •		• • • • • •				••••		• • • • • • • • • • • • • • • • • • • •			•••••				• • • • • •
TIME (LST)	!	129	00 - 14	00			15	00 -	1700		1	800 - 2	2000			2100 -	2300
SPEED (KTS)	GE15	GE20	GE25	OBS	GE	15 G	E20	GE25	OBS	GE 15	GE 20	GE25	OBS	GE 15	GE20	GE 25	OBS
CATEGORY A	1.0	.2		618		.7			611	1.5	.2		586	.3			582
CATEGORY B	10.5	2.1	.5	618	10	.6	3.6	.7	611	3.8	1.2	.3	586	1.9	.3		582
		•••••	•••••		• • • • • • •	• • • • •	••••			• • • • • • • • • •				• • • • • • • •			••••
TIME (LST)	 1	•••••		• • • • • •		0600	- 20	ากก	•••••		• • • • • •	ALL	HOUI			• • • • • •	•••••
							-								_		
SPEED KTS	}				GE15	GE 20	GE	25	OBS		GE '	15 GE2	0 GE2	5 OB	S		
CATEGORY A	j				.7	.1			3062			.5 .	1	477	3		
CATEGORY B	į				5.8	1.5		.3	3062		4.	.0 1.	o .:	2 477	3		

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS

FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 140-320

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90

MONTH: JUL

CATEGORY A:	ANY	CEILING	OR	VISIBILITY	(HOURLY	OBS	ONLY)
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CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

••••	• • • • • • •		• • • • • •		• • • • • •					• • • • • • • • • •			• • • • •	••••				
TIME (LST)	ļ	000	00 - 02	200			03	00 - 0	0500		0	600 -	080 0			,	090 0 -	1100
SPEED (KTS)	 GE15	GE20	GE25	OBS	GE	15 G	E20	GE25	OBS	GE15	GE 20	GE 25	OBS	;	GE 15	GE20	GE 25	OBS
CATEGORY A	<u>'</u>			528		.2			587	.5			646	•	.8			639
CATEGORY B	.2			528		.3	.2		587	.8	.2		646		5.5	.6	.2	639
					• • • • • •	••••												
TIME (LST)	ļ	120	00 - 14	00			15	00 - 1	700		1	800 -	2000			;	2100 -	2300
SPEED (KTS)	GE 15	GE 20	GE25	OBS	GE	15 G	ES0	GE25	OBS	GE15	GE 20	GE 25	OBS	;	GE 15	GE20	GE25	OBS
CATEGORY A	1.3	.2		636	1	.4	.2		635	.5			592	2	.2			584
CATEGORY B	14.3	3.0	.2	636	12	2.4	2.8	.3	635	3.2	.3	.2	59	2	1.4			584
			• • • • • •	• • • • •			• • • • •	••••	• • • • •	• • • • • • • • • •		••••		• • • • •			•••••	
		•••••	•••••	• • • • • •			• • • • •	••••	• • • • • •			• • • • • •	• • • •	• • • • •	• • • • • •	• • • • • •	•••••	••••
TIME (LST)						0600	- 21	000				AL	L I	HOURS				
SPEED KTS					GE 15	GE 20	GE	25	OBS		GE	15 GE	20 (GE 25	OB	s		
CATEGORY A					.9	.1			3148			.6	.0		484	7		
CATEGORY B					7.3	1.4		.2	3148		5	.0	.9	.1	484	7		

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 140-320

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

TIME (LST)		900	00 - 02	200			036	00 - (500		06	500 - (0080				0 9 00 -	1100
SPEED (KTS)	GE 15	GE20	GE25	OBS	GE 1	5 GE	20	GE 25	OBS	GE 15	GE20	GE25	OBS	5	GE 15	GE20	GE 25	OBS
CATEGORY A	.2			581					632	.3			650)				648
CATEGORY B	.2			581					632	.3			650)	1.2			648
	•••••			•••••								• • • • • •				• • • • • •	• • • • • •	
TIME (LST)	i	120	00 - 14	00			150	00 - 1	700		18	300 - 2	2000				2100 -	2300
SPEED (KTS)	GE 15	GE20	GE25	OBS	GE 1	5 GE	20	GE25	OBS	GE 15	GE20	GE 25	OBS	\$	GE15	GE20	GE 25	088
CATEGORY A	.6			650		9	.2		650	.7			593	3	.5			584
CATEGORY B	9.1	.8		650	8.	3 1	.2	.5	650	2.2	.7	.3	59	3	.9	.3		584
	•••••	•••••							•••••	• • • • • • • • • • • • • • • • • • • •		• • • • • •					• • • • • •	
• • • • • • • • • • • • • • • • • • • •		•••••	•••••	• • • • •	• • • • • • •	••••	••••		•••••	••••••		• • • • • •	• • • •		. <i>.</i>	••••	• • • • • •	••••
TIME (LST)					(600	- 20	000				ALL	. }	OURS				
SPEED KTS					GE 15	E20	GE2	25	OBS		GE1	5 GE2	0 0	E25	OB	s		
CATEGORY A					.5	.0			3191			4 .	0		498	8		
CATEGORY B					4.3	.5		.2	3191		2.	8 .	4	.1	498	8		

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS

FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 140-320

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

																••••		· · · · ·
TIME (LST)	Į	000	00 - 02	200			030	00 - 0	500		0	600 -	080	0			0900 -	1100
SPEED (KTS)	GE15	GE20	GE25	OBS	GE 1	5 GE	20	GE25	OBS	GE 15	GE20	GE25	5 0	BS	GE 15	GE20	GE25	OBS
CATEGORY A	(5 73					615	.2			6	27	.5	.2		612
CATEGORY B	(573					615	.5	.2		62	27	1.6	.3	.2	612
•••••	· · · · · · · ·		•••••	• • • • • •	•••••		••••	••••		• • • • • • • • • • • • • • • • • • • •						• • • • •		
TIME (LST)	ļ	120	00 - 14	00			150	00 - 1	1700		1	800 -	200	0			210 0 -	2300
SPEED (KTS)	GE15	GE20	GE25	OBS	GE 1	5 GE	20	GE25	OBS	GE 15	GE20	GE 25	5 0	BS	GE15	GE20	GE25	OBS
CATEGORY A	.5	.2		625		.5			612	.5			5	71	.2			567
CATEGORY B	5.9	1.3	.2	625	3.	8	1.3	.2	612	1.4	.7		5	71	.7	.4		567
					• • • • • • • • • • • • • • • • • • • •			• • • • •		• • • • • • • • •		• • • • •		•••••		•••••		
TIME (LST)		• • • • • •	•••••		•••••	0600	. 20	 	• • • • • •		•••••		ALL	HOUR	• • • • • • • • • • • • • • • • • • •	••••	• • • • • •	•••••
TIME (LST)																		
SPEED KTS	1				GE 15	GE20	GE 2	25	OBS		GE	15	GE20	GE25	OI	38		
CATEGORY A					.4	. 1			3047			.3	.0		48	02		
CATEGORY B					2.7	.8	•	.1	3047		1	.8	.5	.1	48	02		

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 140-320

STATION NUMBER: 724844 STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: OCT

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CATEGORY B:	HIGHEST	WINDS	REPORTED	WITHIN	THE HOL	R (HOURLIES	+ SPECIALS)
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	•••••	•••••	• • • • • •		• • • • • • • • •	• • • • •	•••••	•••••	• • • • • • • •	•••••	• • • • • •		• • • • • • • •	• • • • •	• • • • • •	• • • • •
TIME (LST)	ļ	000	00 - 02	200		03	300 - C	500		0	500 - (0800			0 9 00 -	1100
SPEED (KTS)	GE 15	GE20	GE25	088	GE 15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE 15	GE20	GE 25	OBS
CATEGORY A	.2			572	.3			607	.5			649	.8			607
CATEGORY B	.5			572	.5	.2		607	.8			649	1.5	.5		607
			• • • • • •	• • • • •			• • • • •				• • • • • •		• • • • • • • •	• • • • • •	· • • • • •	
TIME (LST)	ļ	120	00 - 14	00		15	500 - 1	700		18	30 0 - 2	2000			2100 -	2300
SPEED (KTS)	GE 15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE 15	GE20	GE25	OBS	GE 15	GE20	GE 25	085
CATEGORY A	.8	.2		626	.7			611	.2			573				573
CATEGORY B	4.2	.6		626	2.6	.2		611	.5			573	.2			573
	! 										• • • • •					
•••••	•••••	• • • • • •	• • • • • •	• • • • •	•••••	• • • • • •		• • • • • •	•••••	•••••	• • • • •	• • • • • • • •	• • • • • • • •	•••••	• • • • • •	•••••
TIME (LST)					060	00 - 2	000				ALL	HOUR	s			
SPEED KTS					GE 15 GE 2	20 GE	25	OBS		GE 1	5 GE2	0 GE25	OB	s		
CATEGORY A					.6	0		3066			4.	0	481	8		
CATEGORY B					1.9	3		3066		1.	4.	2	481	8		
	l															

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS

FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 140-320

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90 MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

							••••								• • • • •	••••	• • • • •
TIME (LST)	ļ	00	00 - 02	200		03	500 - (0500		06	500 -	0800			(900 -	1100
SPEED (KTS)	GE 15	GE20	GE 25	OBS	GE 15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE.	15	GE20	GE25	OBS
CATEGORY A	.5			585	.5			594	.5			627	1	1.6	.3		630
CATEGORY B	1.2	.5		585	1.3	.5		594	.6	.2	.2	627	3	5.2	1.6		630
	! · · · · · · · ·			• • • • • •					• • • • • • • • • • • • • • • • • • • •	• • • • • •							
TIME (LST)	ļ ·	12	00 - 14	00		15	00 -	1700		18	300 -	2000			ä	2100 -	2300
SPEED (KTS)	 GE15	GE20	GE 25	OBS	GE 15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE	15	GE20	GE25	OBS
CATEGORY A	3.3	.6		630	1.5	.2		620	.7	.2		591	1				585
CATEGORY B	4.8	3.2	1.1	630	2.7	1.8	.5	620	1.7	.8		591	1 1	1.4	.2		585
	l ••••••							• • • • • • •						· • • •	••••		
•••••		•••••	• • • • • •	•••••	• • • • • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • • • •	• • • • • •	• • • • •	• • • • •	• • • • • • •		• • • • •	• • • • • •	• • • • •
TIME (LST)					06	00 - 2	2000				AL	.L I	HOURS				
SPEED KTS	}				GE 15 GE	20 GE	25	OBS		GE	15 GE	20	GE 25	ОВ	s		
CATEGORY A					1.5	.3		3098		1	.1	.2		486	2		
CATEGORY B	<u> </u>				2.6 1	.5	-4	3098		2	.1 1	1.1	.2	486	2		

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 140-320

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90

MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

• • • • • • • • • • • • • • • • • • • •	•••••		• • • • • •			• • • • • •		• • • • • • • •		• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •	• • • • • •	• • • • • •	• • • • •	
TIME (LST)	ļ	000	00 - 02	200		03	300 -	0500		06	600 - 0 8	B 00			0900 -	1100	
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE 15	GE20	GE25	088	
CATEGORY A	.7	.3	.2	603	.2			610	.2			651	.3			649	
CATEGORY B	1.0	.7	.3	603	.5	.2		610	.3			651	1.7			649	
• • • • • • • • • • • • • • • • • • • •														• • • • •			
TIME (LST)	ļ	120	00 - 14	00		15	500 -	1700		18	300 - 2	000		;	2100 -	2300	
SPEED (KTS)	GE15	GE 20	GE25	OBS	GE 15	GE 20	GE 25	OBS	GE15	GE20	GE25	OBS	GE 15	GE20	GE 25	OBS	
CATEGORY A	.9	.5		634	1.4			623	.5	.3	.3	603	.5			600	
CATEGORY B	3.3	1.6	.5	634	3.0	1.3		623	1.5	.5	.3	603	1.5	.3		600	
•	! •••••	•••••			• • • • • • • • •			· · · · · · · · ·						• • • • • •			
	• • • • • • • •	• • • • • •		••••	• • • • • • • • •	•••••	•••••	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • •	• • • • • • • •	• • • • • •	•••••	••••	
TIME (LST)	Į				06	00 - 2	000				ALL	HOUR	s				
SPEED KTS	<u> </u>				GE 15 GE	20 GE	25	OBS		GE1	5 GE 20	GE 25	OBS	3			
CATEGORY A	 				.7	.2	.1	3160			6.1	.1	497	3			
CATEGORY B	! 				2.0	.7	.2	3160		1.4	6 .6	1	4973	3			

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 140-320

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV LST TO UTC: + 8

PERIOD OF RECORD: JAN 83 - MAR 90

MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

TIME (LST)	i	000	0 - 0	200		0.	200	0500		•		0000		•••••	• • • • • •		
										U	600 -	0000				9900 -	1100
SPEED (KTS)	GE 15	GE20	GE25	OBS	GE 15	GE20	GE25	5 OBS	GE 15	GE20	GE25	OB	S	GE 15	GE20	GE25	OBS
CATEGORY A	.4	.1	.0	7219	.3	.1		7523	.6	.1		7913	5	1.0	.3	.0	7836
CATEGORY B	1.0	.3	.1	7219	.7	.3	.1	7523	1.1	.3	.1	7913	3	3.6	.9	.3	7836
	i 		• • • • • •	•••••	•••••	•••••	• • • • •	• • • • • • • •		•••••	• • • • • •				• • • • •	•••••	
TIME (LST)		120	00 - 1	400		19	500 -	1700		1	800 -	2000				2100 -	2300
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE 15	GE20	GE25	OB	S	GE 15	GE20	GE25	OBS
CATEGORY A	2.1	.5	.1	7787	1.8	.3	.0	7694	.9	.1	.1	737	1	.6	.1	.0	7315
CATEGORY B	8.5	2.7	.7	7787	7.7	2.5	.7	7694	2.5	.7	.2	737	1	1.6	.4	.1	7315
•••••••				•••••		•••••	• • • • •		• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • •	• • • • •	••••	•••••	• • • • • •	••••	
				•••••				• • • • • • • •		•••••				•••••	• • • • • •	•••••	• • • • •
TIME (LST)					O _C	500 - 2	2000				Al	- L	HOURS				
SPEED KTS					GE15 GI	20 G	25	OBS		GE	15 G	20	GE 25	08	s		
CATEGORY A					1.3	.2	.0	38601		1	.0	.2	.0	6065	8		
CATEGORY B					4.7	1.4	.4	38601		3	.4	1.0	.3	6065	8		

		AAA	AAA	RRRR	RRRR	TTTTTTTTT	нн	нн
		AAAA	AAAA	RRRR	RRRRR	TTTTTTTTT	нн	HH
PP	PP	AA	AA	RR	RR	ŤΤ	HH	HH
PP	PP	AA	AA	RR	RR	ŤΤ	HH	нн
PPPPP	PPPP	AA	AA	RRRR	RRRRR	TT	нинин	нини
PPPPP	PPP	AAAAA	AAAAA	RRRR	RRRR	TT	нинин	HHHH
PP		AAAAA	AAAAA	RR	RR	TT	HH	НН
PP		AA	AA	RR	RR	TT	HH	нн
PP		AA	AA	RR	RR	TT	нн	HH
PP		AA	AA	RŘ	RR	TT	HH	нн

PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD
"BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR
COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE
TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

HEATING DEGREE DAYS FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

				ST TO UT	U: 7 0									
YEARS	1	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	AN
1983	ï	839	685	709	640	309	47	****	****	****	****	****	****	 322
1984	- 1	***	***	***	****	****	****	***		***	***	713	1159	187
1985	i	1200	884	722	252	100	****	****	***	96	382	978	934	5548
1986	ı	755	667	542	431	174	1		1	278	426	654	888	481
1987	ı	1178	757	775	343	211	7	11		3	195	659	1154	529
1988	- [1200	773	637	383	216	39			124	195	734	1105	540
1989	- [1219	860	508	212	170	12		8	124	401	634	875	502
1990	. İ	1030	837	****		• • • • • • • •								186
MEAN	ı	1060	780	648	376	196	21	2	1	125	319	728	1019	• • • • • •
SO	1	191.99	84.49	106.09	152.40	68.95	20.47	5.50	3.49	98.91	114.99	127.93	134.42	

COOLING DEGREE DAYS FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 724844

STATION NAME: TONOPAH TEST RANGE NV

PERIOD OF RECORD: JAN 83 - MAR 90

		r:	יוט טונ	: + 0									
YEARS	JAN	FE8	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANN
1983 1984 1985	***	***	***	****	46 **** 23	68 **** ****	**** **** ****	**** 197 ****	**** **** 34	**** **** 14	****	***	114 197 71
1986 1987 1988 1989				21	75 7 39 39	240 167 211 173	247 261 438 415	265 310 312 189	47 103 107 8	15 2			874 863 1109 845
MEAN	1			3	38	171	340	254	59	6			
en.	1			8 57	22 80	65 17	100 20	50 36	43 61	7 63			

AWS

OCT 90

CLIMATIC BRIEF

STATION NAME: TONOPAH TEST RANGE NV LATITUDE/LONGITUDE: 37 48 N 116 47 W HOURLY OBS POR: JAN 83 - MAR 90 SUMMARY OF DAY POR: JAN 83-MAR 90 HOURS SUMMARIZED: 0000 - 2300 LST LST TO UTC: +08

FIELD ELEV: 5548 FT STATION MSC: 724844 CALL SIGN: KTNX

SUPERSEDES: NONE

ı	001 30 121 10 0	10: +08														ĺ
į	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR	
	EXTRM MAX TEMP (F) MEAN MAX TEMP (F) MEAN TEMP (F) MEAN MIN TEMP (F) EXTRM MIN TEMP (F)	65 41 31 20 -7	76 48 37 26 -7	76 56 44 32 16	84 64 52 38 19	93 73 60 46 29	102 84 70 56 38	105 89 75 61 43	98 86 73 59 47	92 76 63 50 26	85 66 53 40 18	74 51 40 28 0	61 43 32 22 -8	105 64 52 39 -8	9 9 9 9	
	D/W TEMP GE 100 (F) D/W TEMP GE 90 (F) D/W TEMP LT 33 (F) D/W TEMP LT 20 (F)	0 0 29 13	0 0 21 5	0 0 16 1	0 0 7 #	0 1 1 0	1 7 0 0	2 16 0 0	0 9 0	0 1 1 0	0 0 4 #	0 0 21 3	0 0 28 9	3 34 128 31	9 9 9	
İ	HEATING DEGREE DAYS COOLING DEGREE DAYS	1060 0	780 0	648 0	376 3	196 38	21 171	2 340	1 254	125 59	319 6	728 0	1019 0	5275 871	7	
	MEAN DEWPOINT TEMP (F) MEAN WET BULB TEMP (F) 99.95% WCPA (FT)	15 25 5965	18 30 6042	20 35 6076	21 39 5998	25 45 5877	29 51 5756	33 55 5701	36 54 5646	28 47 5810	24 41 5788	19 32 5965	16 26 5954	23 40 5932	7 7 7	
j	MEAN REL HUM 07 LST(%) MEAN REL HUM 13 LST(%)	62.0 45.4	58.8 37.0	52.5 29.3	40.7 21.9	35.6 19.4	29.6 15.8	30.2 17.8		36.6 20.1	45.9 24.5	53.3 34.9	62.4 42.2	45.8 27.8	7 7	
	MAX 24HR PRECIP (IN) MAX PRECIP (IM) MEAN PRECIP (IN) MIN PRECIP (IN) D/W PRECIP GE .01 (IN) D/W PRECIP GT .50 (IN)	.45 .76 .43 .03 3	.47 .67 .25 .11 3	.90 2.46 .72 .02 4	.51 1.37 .38 # 4 1	.79 1.69 .45 # 3	.57 .93 .21 # 3	1.95 3.34 .71 .01 3	.83 3.24 .85 .00 5	.88 1.75 .36 # 2 1	1.15 1.48 .51 .02 3 #	1.08 1.19 .54 # 3 #	.40 1.43 .39 .00 4	1.95 7.94 5.65 3.17 40 7	9 9 9 9	
	MAX 24HR SHFL (1N) MAX SHFL (IN) MEAN SHFL (IN) D/W SHFL GE .1 (IN) D/W SHFL GE 1.5 (IN)	4.5 8.7 3.4 2 1	7.1 9.3 1.9 2 #	9.0 9.0 2.6 1	1.3 1.3 .4 1 0	1.0 1.0 .2 1 0	0 0 0 0	0 0 0 0	0 0 0	# # 0	1.0 1.0 .1 # 0	10.8 11.8 3.2 1	4.0 10.2 2.7 3 1	10.8 20.2 14.6 11 4	9 9 9 9	
i	MAX DLY SNO DEPTH (IN)	6	7	3	#	1	0	0	0	0	1 1	8	8	8	9	j
	PRVLNG UND DIR (DEG) MEAN UND SPD (KTS) MAX UND SPD (KTS)	\$29-31 5 42	\$29-31 7 50	29-31 8 54	29-31 8 49	29-31 8 49	17-19 7 49	17-19 7 46	17-19 5 45	\$17-19 5 47	\$29-31 5 44	\$29-31 6 55	\$29-31 5 52	\$29-31 6 55	7 · 7 9	
	SKY COVER GT 5/10 (%) D/W THUNDERSTORMS D/W FOG (VSBY LT 7 MI)	39.3 # 4	43.7 1 1	44.7 1 2	44.0 2 1	33.8 3 1	24.3 4 0	23.7 5 1	20.7 7 1	16.1 2 1	24.5 1 1	34.3 1 2	38.5 1 4	32.7 28 19	7 9 9	

LEGEND: ANN = ANNUAL

INSTANTANEOUS PEAK WINDS

* = DATA NOT AVAILABLE

POR/YOR = PERIOD/YEARS OF RECORD

医红线性性炎 1. 5. 5. 5.

WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE

= LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN

WIND DIRECTION

ĺ							URRENCE										ĺ
		ONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANN	YOR	į
	CIG LT 3000 FT AMD/OR VSBY LT 3 MI	LST 00 - 02 03 - 05 06 - 08 09 - 11 12 - 14 15 - 17 18 - 20 21 - 23 ALL	5.1 6.5 9.7 8.6 7.0 5.5 5.0 2.7 6.3	6.1 6.2 6.6 6.8 4.2 4.0 4.8 6.6	5.2 6.6 6.9 6.8 6.2 5.9 4.5 3.6 5.7	2.2 2.7 4.6 2.2 1.4 2.4 .8 .7 2.2	.3 1.1 1.1 .9 1.0 1.0 .8 .5	.00.00	.0	.0 .2 .5 .8 .2 .0 .3	.0 .0 .0 .0 .0 .3 .0	.0 .0 1.5 1.2 .6 .8 .3	3.1 5.1 6.4 4.8 4.4 3.2 1.9 1.7	6.0 6.6 7.8 8.0 5.4 6.3 5.6 6.2 6.5	2.3 2.9 3.8 3.3 2.5 2.4 2.0 1.8 2.8	7 7 7 7 7 7	
	CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02 03 - 05 06 - 08 09 - 11 12 - 14 15 - 17 18 - 20 21 - 23 ALL	4.2 4.8 7.3 6.4 3.6 3.5 2.7 2.0 4.3	3.9 3.4 3.8 3.7 1.5 2.5 5.8 3.3	2.1 3.5 3.9 3.1 2.9 2.4 2.0 2.1 2.8	1.0 1.2 1.0 .2 .2 1.8 .0	.3 .3 .3 .0 .3 .5		.0	.0 .2 .5 .0 .0 .0	.0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0 .3 .5 .5 .3 .0	2.2 4.0 4.5 2.5 1.7 1.0 1.0	4.5 5.2 5.4 4.6 3.3 3.4 2.8 3.8 4.1	1.5 1.9 2.2 1.8 1.2 1.2 1.3 1.6	7 7 7 7 7 7 7 7	
	CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02 03 - 05 06 - 08 09 - 11 12 - 14 15 - 17 18 - 20 21 - 23 ALL	3.5 2.4 5.9 4.1 2.2 2.4 1.7 1.6 3.0	2.3 2.8 2.8 2.8 3 .8 1.2 2.8	.4 2.0 3.2 2.3 1.9 1.5 1.4 .6	.3 .5 .6 .0 .2 1.8 .0	.3 .5 .3 .2 .0 .0 .2 .5		.0	.0 .2 .0 .0 .0		.0 .2 .2 .0 .2 .0	1.0 2.0 2.6 1.0 1.0 1.0 .7	3.2 3.1 4.0 2.8 2.4 3.1 1.8 2.2 2.8	.9 1.1 1.6 1.1 .7 .9 .6 .7	7 7 7 7 7 7 7 7	
	CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02 03 - 05 06 - 08 09 - 11 12 - 14 15 - 17 18 - 20 21 - 23 ALL	.6 1.3 1.1 .9 .1 .0 .0	.0 .0 1.0 .3 .0 .2 .2	.1 .3 .4 .0 .0	.0 .0 .2 .0 .0 .2 .0 .0 .0 .0 .0	.0 .3 .2 .0 .0 .0	.0 .0 .0 .0 .0 .0 .0	.0	.0 .0 .0 .0 .0 .0 .0 .0 .0	.0 .0 .0 .0 .0 .0 .0 .0	.0 .0 .0 .0 .0 .2 .0 .0 .0	5 .7 1.0 .5 .6 .5 .2	1.0 .8 .9 .9 .2 .2 .2 .0	.2 .3 .4 .2 .1 .1	7 7 7 7 7 7 7	

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